

19980114.qrp v00_n970.qrs.980114

Date: Wed, 14 Jan 1998 19:03:13 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 970

QRP-L Digest 970

Topics covered in this issue include:

- 1) [819] Re: What it means to copy CW at high speed
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
- 2) [820] Re: best backpack rig
by Joe Gervais <vole@primenet.com>
- 3) [821] Re: Sling-shot vs tennis racket
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 4) [822] re:Learn English Before Writing
by kc4mhm@juno.com
- 5) [823] Re: best backpack rig
by "Ray Lowe" <wd5dhk@hotmail.com>
- 6) [824] Re: best backpack rig
by Niel Skousen <nskousen@scientechn.com>
- 7) [825] FS/Trade: FT-301 for T-T Omni or Digi Argosy
by k7sz@juno.com
- 8) [826] 38 cases
by Thomas J McCuen <TMcCuen@compuserve.com>
- 9) [827] Re: Learn English / Foreign Tongues
by Chris Cartwright <ccart@dns.vidtel.com>
- 10) [828] QRP DXPEdition: Rhode Island
by Joel Malman <malman@BBN.COM>
- 11) [829] keyer
by MSU1972 <MSU1972@aol.com>
- 12) [830] Answer to x-tal filter question
by Jerome_Peters@el.nec.com
- 13) [831] Re: Spud Gun
by ko7i@juno.com (Donald H Jones)
- 14) [832] Re: Problems with QRPp magazine --> well...
by TonyDrumm@ibm.net (Tony Drumm)
- 15) [833] HB QSL cards
by Shepherd <Shepherd@aol.com>
- 16) [834] qrp hard on receiving end?
by jdenison@morelr.com (JOEL DENISON)
- 17) [835] Prototyping with Surface Mount Components
by lenriquez@pacific.simoco.com (Luke Enriquez)
- 18) [836] Re: antennaes in trees
by N3BJ <N3BJ@aol.com>
- 19) [837] Homebuilt key

- by wsmith@cyberdrive.net (Wayne A. Smith)
- 20) [838] First Announcement for the FEBRUARY SPARTAN SPRINT
by Russ Carpenter <russ@natworld.com>
- 21) [839] Re: antennae in trees
by Roger Braker <msebrakr@telepath.com>
- 22) [840] Re: Spud Gun
by Ed <edn4pk@voyageronline.net>
- 23) [841] 38 SPECIAL ENCLOSURES - COMPLETED!!!!!!
by doug hauff <slmachco@fix.net>
- 24) [842] Phased Verticals
by "JUNIUS B FOX" <w5hir@gte.net>
- 25) [843] FOX?What FOX
by N10DL <N10DL@aol.com>
- 26) [844] openwire feeders
by af852@rgfn.epcc.Edu (William R Colbert)
- 27) [845] Mega-Multi copies!!!!!!!!!!!!!!
by William Keith Hibbert <wb2vuo@frontiernet.net>
- 28) [846] Fox
by Jerrydeen <Jerrydeen@aol.com>
- 29) [847] Re: Correction: FS/Trade: FT-301 for T-T Omni-B/C/D or Digi Argosy
by k7sz@juno.com
- 30) [848] Argo 509 and Ramsey FX50
by "John A. Evans - N0HJ" <jaeans@codenet.net>
- 31) [849] Fox
by Rod Logsdon <bike4life@bikerider.com>
- 32) [850] No Fox Tues Nite in SC
by "Gary M. - W2UX" <mail4gary@worldnet.att.net>
- 33) [851] Re: Single lever paddles - what's available?
by Steven Weber <kd1jv@moose.ncia.net>
- 34) [852] FS: QPR+
by "Stuart B.D. Hunt" <stuart001@ameritech.net>
- 35) [853] Re: antennas in trees
by George Michalski <wh6cyx@rocketmail.com>
- 36) [854] Re: KI7MN Fox
by Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
- 37) [855] RE: Mega-Multi copies!!!!!!!!!!!!!!
by Rich Mulvey <mulveyr@frontiernet.net>
- 38) [856] RG174U as feed line
by JkHampton <JkHampton@aol.com>
- 39) [857] No Fox Fer Me :'[
by Tim Ahrens <tahrens@inetport.com>
- 40) [858] Correct address
by "Charles L. Stackhouse" <cstack@safelink.net>
- 41) [859] best backpack rig
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 42) [860] Re: Spud Gun
by ko7i@juno.com (Donald H Jones)
- 43) [861] Fox

by Monte Stark <ku7y@sage.dri.edu>
44) [862] CRYSTALS 14.060
by ALK0FRP <ALK0FRP@aol.com>
45) [863] TO: Marcus Leatham
by "Emory R. Schley" <ERSchley@worldnet.att.net>
46) [864] Re: FOX?What FOX
by n7mfb@juno.com (Bill Todd)
47) [865] FOX Tuesday
by ki7mn@dancris.com
48) [866] Re:Antennas in trees
by crc <crc@io.com>
49) [867] FOX Tuesday = Thanks
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
50) [868] First Fox Mobile Contact
by tayloe_d@juno.com (Daniel R Tayloe)
51) [869] Best backpack rig
by Paul Erickson <paul1@wizard.ucsf.edu>
52) [870] FOX Log Tuesday
by ki7mn@dancris.com
53) [871] miniature key trade
by Niel Skousen <nskousen@scientech.com>
54) [872] Norcal XMAS Paddles
by Niel Skousen <nskousen@scientech.com>
55) [873] Re: openwire feeders
by "Harvey D. D. Hetland" <n6mm@earthlink.net>
56) [874] Phil, humbolt1 ?
by ROYGREGSON <ROYGREGSON@aol.com>
57) [875] Re: Learn English Before Writing
by scaryl@juno.com (larry a netz)
58) [876] Pacificon Writeup Oversight
by Joe Gervais <vole@primenet.com>
59) [877] What CW tone do you prefer?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
60) [878] Re: Norcal XMAS Paddles
by Bob Patten <n4bp@bc.seflin.org>
61) [879] Re: What CW tone do you prefer?
by Bob Patten <n4bp@bc.seflin.org>
62) [880] Re: Keyers / TiCK Info Page
by wpc@west.net (John L. Roblin / Whiterook Products Co.)
63) [881] Sling-shot etc
by R00 <R00@kanga.demon.co.uk>
64) [882] Re: openwire feeders
by "L. B. Cebik" <cebik@utkx.utcc.utk.edu>
65) [883] Re: What CW tone do you prefer?
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
66) [884] Re:Antennas in trees
by "Roy Lincoln@cocentral.com" <cc1595@cocentral.com>
67) [885] Phased Verticals

by "Wilford D. Lindsey" <70511.3041@compuserve.com>
68) [886] Re: per min charges
by Bob Hightower <ki7mn@dancris.com>
69) [887] WY for QRP/WAS--Help!
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
70) [888] Re: What CW tone do you prefer?
by Paul Helbert <phelbert@rica.net>
71) [889] Re: Opinions on Verticals?
by Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
72) [890] Tuna Tin (can) radio?
by KB9RPD <KB9RPD@aol.com>
73) [891] Re: What CW tone do you prefer?
by "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
74) [892] Re: What CW tone do you prefer?
by Monte Stark <ku7y@sage.dri.edu>
75) [893] Re: Opinions on Verticals?
by K5BDZ <K5BDZ@aol.com>
76) [894] RE: antennas in trees
by gregoire@endor.com
77) [895] Fox
by ab5uacw@juno.com (Clifton W Sikes)
78) [896] Centennial 20 meter help
by "Jeff M. Gold" <JGold@tntech.edu>
79) [897] RE: 38 SPECIAL ENCLOSURES - COMPLETED!!!!!!
by n4js@pobox.com
80) [898] RE: antennas in trees
by Monte Stark <ku7y@sage.dri.edu>
81) [899] Small Wonders GM-30 for sale
by "Jeff M. Gold" <JGold@tntech.edu>
82) [900] RF Choke Identification
by "Dan Hogan" <dhhogan@lightside.com>
83) [901] Re: Low Noise HF Amps?
by "Ed Pacyna" <pacyna@worldnet.att.net>
84) [902] FOX: N/T Fox Thursday night
by "Buck, Preston D" <BuckPD@corning.com>
85) [903] FW: RE: What CW tone do you prefer?
by gregoire@endor.com
86) [904] Re: Huff and Puff, Mk. 2
by Brian Kassel <bkassel@dancris.com>
87) [905] Winter 1997 QRPp and Pixie 2
by kh6b@juno.com (Dean W Manley)
88) [906] < 1dB Noise Figure HF Amplifiers
by ji3m@maxwell.com (James R. Duffey)
89) [907] Re: What CW tone do you prefer?
by gregoire@endor.com
90) [908] Re: Huff and Puff, Mk. 2
by Wayne Dillon <w.dillon@ic.ac.uk>
91) [909] Re: openwire feeders

- by SKIP NC90 <SKIPNC90@aol.com>
- 92) [910] Error in Tick-Pixie Article
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 93) [911] 38 Special help.
by Jerry Parker <jparker@fix.net>
- 94) [912] for Larry Wise, Georgetown
by "rohre" <rohre@arlut.utexas.edu>
- 95) [913] Best Tone for Copying CW
by ji3m@maxwell.com (James R. Duffey)
- 96) [914] Re: phased verticals
by af852@rgfn.epcc.Edu (William R Colbert)
- 97) [915] re: phased verticals
by af852@rgfn.epcc.Edu (William R Colbert)
- 98) [916] Test
by Bill Down <ve5hq@gpfn.sk.ca>
- 99) [917] Re: VFO frequency
by Tom Morgan <liveoak@sccoast.net>
- 100) [918] Urgent transformer help needed!
by Vic Rosenthal <rakefet@rakefet.com>
- 101) [919] Re: Urgent transformer help needed!
by Ed Loranger <we6w@qsl.net>
- 102) [920] Re: phased verticals
by Joe Everhart <n2cx@voicenet.com>
- 103) [921] Re: FOX Log Tuesday
by Ed Loranger <we6w@qsl.net>
- 104) [922] Re: Spud-Pistol Maybe?
by "Stuart B.D. Hunt" <stuart001@ameritech.net>
- 105) [923] Re: Urgent transformer help needed!
by Vic Rosenthal <rakefet@rakefet.com>
- 106) [924] Re: What CW tone do you prefer?
by "George T. Baker" <w5yr@swbell.net>
- 107) [925] Ten-Tec Rig Info
by dannyayers@juno.com (Danny K Ayers)
- 108) [926] GAP up!
by n4js@pobox.com
- 109) [927] Re: Learn English Before Writing
by "George T. Baker" <w5yr@swbell.net>
- 110) [928] Re: Huff and Puff, Mk. 2
by John Fletcher <johnf@innotts.co.uk>
- 111) [929] Re: FOX Log Tuesday
by "Ron Smith" <resmith@primenet.com>
- 112) [930] Subscription Info: QRP Journals
by Paul Harden <pharden@aoc.nrao.edu>
- 113) [931] SG2020
by "Jeff M. Gold" <JGold@tntech.edu>
- 114) [932] Re: FOX Log Tuesday
by Ed Loranger <we6w@qsl.net>
- 115) [933] RE: antennas in trees

by "Phillips Richard" <phillips@msoe.edu>
116) [934] Re: RG174U as feed line
by ea8yu Goran <rodriguez@jet.es>
117) [935] using QRP rig as aux receiver
by "Allan G. Taylor" <ataylor@heracles.llnl.gov>
118) [936] HD1410 keyer manuals
by wmcshan@REX.RE.ouhsc.edu (Mike McShan)
119) [937] Re: best backpack rig (long)
by Steve Galchutt <n0tu@webaccess.net>
120) [938] Re: best backpack rig (long)
by Ed Loranger <we6w@qsl.net>
121) [939] SG2020
by Thomas J McCuen <TMcCuen@compuserve.com>
122) [940] Best Tone for Copying CW
by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
123) [941] Learn English.....
by Mel Evans <MelEvansGM6JAG@compuserve.com>
124) [942] Your Pitiful Actions
by "Dick Schneider" <rschneid@ix16.ix.netcom.com>
125) [943] Re: Best Tone for Copying CW
by Monte Stark <ku7y@sage.dri.edu>
126) [944] FW: Best Tone for Copying CW
by abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC/Dallas)
127) [945] Re: openwire feeders
by "Harvey D. D. Hetland" <n6mm@earthlink.net>

Date: Wed, 14 Jan 1998 08:14:11 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: ham@w3eax.umd.edu
Cc: qrp@pandora.lugs.org.sg
Subject: [819] Re: What it means to copy CW at high speed
Message-ID: <34bc0354.pandora@pandora.lugs.org.sg>

On Tue, 13 Jan 1998 15:48:30 -0500 (EST), "Scott Rosenfeld [NF3I]"
<ham@w3eax.umd.edu> wrote:

> At 20 wpm and slower, I have trouble copying. Really. I mean, I can DO
> it, but it's uncomfortable for me. Between 20 and 30 wpm I feel like I'm
> sitting around waiting for letters/etc. but I don't get too edgy. At 40
> wpm, I start to get a little challenged on words I don't recognize.

I know what you mean too. Not only that, when I slow down to 20 and thereabouts, my sending (paddle) gets embarrassing because I keep wanting to send the dits or dahs before they are due, and the fact that I do iambic really makes this all the worse. I guess I don't take to speed changes well, especially after getting so used to one particular speed. Am I the only one with this problem?

73 de 9V1ZV Daniel

--

```
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                     |
+-----+-----+
```

Date: Tue, 13 Jan 1998 17:41:56 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: mike@krypton.nmr.Hawaii.Edu
Cc: qrp-l@Lehigh.EDU
Subject: [820] Re: best backpack rig
Message-ID: <199801140041.RAA11753@usr05.primenet.com>

Howdy,

Mike (AH7R) wrote:

>
> Could someone recommend something in the sprint class? Low current
> drain, small size, light, small battery pack, maybe 1-2 watts,
> either on 40 or 20 meters

For backpacking, I swear by my Sierra (NorCal/Wilderness Radio).
Very small, high performance multiband critter. Sips a mere
30mA or so on rcv, 250-350mA on xmit (stock @ 2-3w out).

Size is right, performance is great, and it's the *only*
backpacking multiband I'm aware of. Only need to bring the
band modules you need for the trip.

IMHO, if you're a backpacking QRPer, you NEED a Sierra!

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's 106 miles to Chicago, we've got a full tank of gas, half
a pack of cigarettes, it's dark, and we're wearing sunglasses."
"Hit it!" -The Blues Brothers

Date: Tue, 13 Jan 1998 19:40:52 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:Harvey1@outadaloop.com" <Harvey1@outadaloop.com>, "Doc W.D. Lindsey/
K0EVZ" <70511.3041@compuserve.com>,
QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [821] Re: Sling-shot vs tennis racket
Message-ID: <199801131943_MC2-2F30-657B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Harvey:

I *also* have one of their Quick Launching system. It does work as you describe.

But a note of caution--always wear gloves. I forgot to the last time, and ended up with some industrial-grade rope burns where the tiny launching line sliced into my hands. But I have successfully launched the thing easily to 65+ feet, as Antennas West advertises.

No commercial connestion here....just my \$.02 worth <VBG>.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 1/09/98 = 23. A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 13 Jan 1998 19:47:02 EST
From: kc4mhm@juno.com
To: qrp-l@Lehigh.EDU
Subject: [822] re:Learn English Before Writing
Message-ID: <19980113.195243.12542.1.KC4MHM@juno.com>

This is the reason e-mail programs come with a Delete option.
73 de KC4MHM@juno.com

Date: Tue, 13 Jan 1998 16:49:28 PST
From: "Ray Lowe" <wd5dhk@hotmail.com>
To: qrp-1@Lehigh.EDU, mike@krypton.nmr.Hawaii.Edu
Subject: [823] Re: best backpack rig
Message-ID: <19980114004929.17717.qmail@hotmail.com>
Content-Type: text/plain

>Date: Tue, 13 Jan 98 13:42:31 HST
>Reply-To: mike@krypton.nmr.Hawaii.Edu
>From: mike@krypton.nmr.Hawaii.Edu (Mike W. Burger)
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: best backpack rig
>
>
>I have some nice QRP rigs, but they are in the tubby category.
>
>Could someone recommend something in the sprint class? Low current
>drain, small size, light, small battery pack, maybe 1-2 watts,
>either on 40 or 20 meters?
>
>AH7R - Mike Burger, University of Hawaii at Manoa, Dept. of Chemistry
> HI-QRP #28 - QRP-L #1053 - FISTS #3225 - BL11ch - Honolulu County
>
>

You might try the SW-40 from Small Wonder Labs
72 Ray

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 13 Jan 1998 17:55:56 -0700
From: Niel Skousen <nskousen@scientechnology.com>
To: vole@primenet.com, qrp-1@Lehigh.EDU
Subject: [824] Re: best backpack rig
Message-ID: <3.0.3.32.19980113175556.00850100@eaglerock.if.scientechnology.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There is another possible approach to backpacking rigs...

I have a Tokyo HiPower HT-750 (40m/15/6m) the size of an early 2m FM HT but it's not as good on rx drain, nor cost typically.

I also have a Wilderness/N6KR SST... for two bands two SST's are half the cost and half the size of the Sierra. For more than two bands the Sierra takes over on both cost and size... Performance wise the Sierra is ahead at all time, tho the SST is no slouch for its cost/size...

GL
Niel

At 05:41 PM 1/13/98 -0700, you wrote:

>
>Howdy,
>
>Mike (AH7R) wrote:
>>
>> Could someone recommend something in the sprint class? Low current
>> drain, small size, light, small battery pack, maybe 1-2 watts,
>> either on 40 or 20 meters
>
>For backpacking, I swear by my Sierra (NorCal/Wilderness Radio).
>Very small, high performance multiband critter. Sips a mere
>30mA or so on rcv, 250-350mA on xmit (stock @ 2-3w out).
>
>Size is right, performance is great, and it's the *only*
>backpacking multiband I'm aware of. Only need to bring the
>band modules you need for the trip.
>
>IMHO, if you're a backpacking QRPer, you NEED a Sierra!
>
>Cheers de AB7TT,
>
>-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)
>
>"It's 106 miles to Chicago, we've got a full tank of gas, half
> a pack of cigarettes, it's dark, and we're wearing sunglasses."
>"Hit it!" -The Blues Brothers
>
>

Date: Tue, 13 Jan 1998 19:52:51 EST
From: k7sz@juno.com
To: qrp-l@lehigh.edu, qrp@qth.net, tentec@contesting.com, tentec@qth.net
Subject: [825] FS/Trade: FT-301 for T-T Omni or Digi Argosy

Message-ID: <19980114.015526.6591.6.k7sz@juno.com>

I have a FT-301D Yeasu transceiver that I'd like to trade for a T-T Omni or Argosy 525D.

The FT-301D is a 100 watt HF rig covering 160-10 meters (no WARC) and WWV/JJY.

The 100 watt "brick" has been dismantled and a coaxial jumper installed on the rear of the rig to make it into a FT-301SD (10 watt rig). I have the amp and can easily convert it back to a 100 watt radio (no, I won't sell the amp seperately!). Cosmetics are vy gd, with a mint front panel and knobs and some scratches on the top of the case. Comes with original manual but no mic. Rig works FB.

Private e-mail, please.

Date: Tue, 13 Jan 1998 19:56:12 -0500
From: Thomas J McCuen <TMcCuen@compuserve.com>
To: QRP-L Lehigh Server <qrp-l@Lehigh.EDU>, Doug SL Mach Shop <slmachco@fix.net>
Subject: [826] 38 cases
Message-ID: <199801131956_MC2-2F32-A2D3@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Doug,
Any idea when the cases are coming.... still waiting to put the radio in it!
You had said u were shipping and I fiq the Holiday was slowing things down
, but now it's after and I'd like a time shed if u have one.

tk
Tom aa2vk

Date: Tue, 13 Jan 1998 21:05:21 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [827] Re: Learn English / Foreign Tongues
Message-ID: <Pine.LNX.3.93.980113210407.1891C-100000@dns.vidtel.com>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 13 Jan 1998, Joe Gervais wrote:

> Fr. Guyana answer up! "Je m'appelle Joe, je suis une
> pomme de terre...." (Uh wait... well... maybe it's
> true... ;-))

So... is Bubba, La Bubbae' in french?

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE QRP WAS 28/13(w/c) | http://dns.vidtel.com/~ccart --
-- QRP-L #655 NORCAL #1891 QRP-ARCI #???? NJ-QRP #105 LIQRP #???? MDmW #5 --

Date: Tue, 13 Jan 98 20:09:35 EST
From: Joel Malman <malman@BBN.COM>
To: qrp-l@lehigh.edu
Cc: wa1qvm@BBN.COM
Subject: [828] QRP DXPEDITION: Rhode Island
Message-ID: <199801140109.UAA23518@nss4.cc.Lehigh.EDU>

Group,

It seems that a few folks on the list need Rhode Island for their 2xQRP WAS award. I will be in RI on (Saturday) January 31 1600-2000z, on 14.060 MHz (+/- QRM) working QRP to help those who need RI. I have printed up a small batch of DXPEDITION QSL cards for the event (?).

If you want to make sure I listen for you, please send me an E-Mail. If you just want to 'check-in' that's OK also. If you plan to send me E-Mail, please do it before 21 January.... thanks.

I will be calling: "CQ RIDX de WA1QVM/1"

/joel wa1qvm wa1qvm@bbn.com (QTH: Concord, Massachusetts)

Date: Tue, 13 Jan 1998 19:55:12 EST
From: MSU1972 <MSU1972@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [829] keyer

Message-ID: <27150a01.34bc0cf2@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Last message I asked the difference between a Tick2b keyer and K1EL Tuner - I meant to type K1EL Keyer!
...would appreciate any comparisons, David

Date: Tue, 13 Jan 1998 17:22:25 -0800
From: Jerome_Peters@el.nec.com
To: "QRP Group List" <qrp-l@Lehigh.EDU>
Subject: [830] Answer to x-tal filter question
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-2022-JP
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

A while ago (2 weeks?) I asked about impedance matching for an unknown xtal filter. Many of the great people on this list sent helpful information and suggestions. I was hoping share the results with the list but, my efforts got interrupted with the birth of my first daughter. I have since lost a lot of sleep, several IQ points and my notes 8>

The plan was install a surplus xtal filter in the IF of my OHR100 40M. The only thing I knew about the filter was the center freq 9.07MHz. This is very close to the stock freq of the OHR's 9.00MHz IF.

WHAT I THINK I LEARNED:

- 1) It is very difficult to determine the bandwidth of a xtal filter without a very stable RF gen.
- 2) It is best to determine the bandwidth before you take your rig apart :)
- 3) It is really easy to make a xtal osc with the NE602. Then you can mix in your freq gen to determine bandwidth of an unknown filter. The xtal must be the center freq of the filter you want to test.
- 4) Since the OHR uses sockets for the IC's, The stock filter can be bypassed by lifting two pins. This makes experimentation a breeze - as long as you do not have to change the IF frequency (like I did). Two xtals are required to change the IF. I order mine through Jans.

5) I believe narrow xtal filter are often 50-200 Ohm, wider ones tend to have higher impedance 1K-2K Ohm. The OHR 100 is designed for 200 Ohm IF xtal filtering.

I also made a test circuit:

I used a NE602 and the 9.07MHz xtal to drive the filter. I then hooked up the test oscillator to the mixer of NE602.

```
test osc -----> NE602 -----> filter -----> oscscope
                    ^
                    |
                9.07 crystal
```

Next I looked at the output of the filter with the scope. Of coarse the 9.07MHz came through nicely, but it allowed 2KHz of low frequency through also. This wave form went away when the frequency was changed +/- 1KHz.

```

      xx      xx      xx
    xxxx    xxxx    xxxx
  xxxxxx  xxxxxx  xxxxxx
xxxxxxxxxxxxxxxxxxxxxxxx
  xxxxxx  xxxxxx  xxxxxx
    xxxx    xxxx    xxxx
      xx      xx      xx
```

It seems to me that this pretty much proves that the filter's bandpass is about 2KHz - not a good match for a CW rig.

I did temporarily install the filter and change one of the xtals in the OHR. It definitely decreased the selectivity. Maybe its time to start doing some SSB stuff.

73
Jerome Peters
KC6ENE

Date: Tue, 13 Jan 1998 20:35:03 EST
From: ko7i@juno.com (Donald H Jones)
To: qrp-l@lehigh.edu
Subject: [831] Re: Spud Gun
Message-ID: <19980113.183037.2455.0.ko7i@juno.com>

Tom (and others),
Is the other end of the spud gun closed? What do you use for a
propellant? Compressed air? or something combustable (like gasoline)?
73,
Don Jones K07i
ko7i@juno.com
Stanwood, WA
360-652-0248
QRP-L #963 - NWQRP #435 - NORCAL #2386 - Geratol #1571

Date: Tue, 13 Jan 1998 20:06:01 -0600
From: TonyDrumm@ibm.net (Tony Drumm)
To: qrp-l@Lehigh.EDU
Subject: [832] Re: Problems with QRPP magazine --> well...
Message-ID: <199801140159.BAA28810@out4.ibm.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Actually, I think there must be some sort of Bermuda Triangle for QRP
publications we've just fallen into. I'm one of those who had QQ with some
extra and some missing pages (since fixed!). So, I was a bit oversensitized.

As I paged through QRPP, I noticed a heading I had just seen. Oh NO! Not
this one, too! I checked and it turns out several sections of one article
are repeated. At least a few pages worth. I'll leave it as a little test
for you to find it.

I've had troubles putting together a four page newsletter for our scout
troop, so I'm glad it's not me trying to compile something like these two
pubs. I was thinking as I thumbed through QRPP, this is an amazing journal.

72.
Tony Drumm
ARS AA0SM - Rochester, MN

Date: Tue, 13 Jan 1998 20:49:46 EST
From: Shephed <Shephed@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [833] HB QSL cards
Message-ID: <aa79af59.34bc19bd@aol.com>

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Wow, I can't get over the response I've got from this.
I will post the graphics on my Web site Wednesday night. If you don't have Web access and need them E-mailed please let me know.

72,73
Dan,N8VZU
QRP-L #1404
shephed@aol.com
<http://members.aol.com/shephed/n8vzu.htm>

Date: Tue, 13 Jan 1998 19:59:32 -0600 (CST)
From: jdenison@morelr.com (JOEL DENISON)
To: qrp-l@Lehigh.EDU
Subject: [834] qrp hard on receiving end?
Message-ID: <199801140159.TAA02131@m20.morelr.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi and good evening guys and gals:

I guess I heard the moaning that qrp was hard on the receive op once too many times. I ONLY operate at four or five watts and don't look back. When I have a good ant up and the band is good I treat the little rig like it is a kw and call or answer cq's.

What I pay attention to is the R in my rst report! If the station sends a four or five I continue on with no hesitation. If I get a three or worse I'll let the op know I'm low power and give them the option to continue or not.

The only way a receiving op can "suffer" (considering matching their code speed and good cw being sent and band conditions ok) is if they are sending faster than they can copy or are lying about my R (in RST) in the signal report.

It is a baseless gripe... if one doesn't like a cw sig for whatever reason they don't have to respond to it!!! and if one gives another op a four or five report then the gripe really is "I can't copy a good readable signal". Kind of indicates a special group of the medical profession is needed for them... :-)

72
feel better now
joel

God Bless

Joel

WA5CVM

Joel Denison
PO BOX 542
Strong, Maine 04983
jdenison@morelr.com

Gentle Lady (RC Sail Plane)(049 engine - start)
80 mtr dipole up 50ft
QRP ARCI 4066 NEW ENGLAND QRP 476 QRP-L 765
AK/QRP 109

Date: Wed, 14 Jan 1998 13:11:40 +1000
From: lenriquez@pacific.simoco.com (Luke Enriquez)
To: qrp-l@Lehigh.EDU
Subject: [835] Prototyping with Surface Mount Components
Message-ID: <00007643.4068@pacific.simoco.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

G'day All,

A few weeks back there was some discussion on prototyping circuits. In my paid hobby time (ie: work) I prototype with 0603 surface mount components, as well as SOT devices and SSOP ICs. It can be a REAL pain if you don't do it the right way.

The technique I use is to create little "pads" on a double sided PCB. I do this by scoring thin lines of pcb around the pad and lifting these lines (or tracks) with a very hot soldering iron. I plan on paper where I need the pads and how big they need to be. The smaller you make the pad, the greater the chance of lifting it off accidentally when removing the copper from around it. Its helps to have a scalpul and metal ruler when you try this technique.

I dont reconmend anyone try to prototype with 0603 unless they really have to. You can lose 100's of components with one sneeze! Trust me. 0804 or 1206 would be a much better way to go. Many places these days sell kits of surface mount components. These can be expensive, but save a lot of time when sourcing parts. I've picked up a large variety of cheap surface mount resistors and capacitors from Surplus component resellers too.

Avoid prototyping with surface mount IC's if you can. The pins break very easily, and you will usually need to lift the IC off the copper underneath. I usually glue a small piece of PCB under the IC.

You can create lots of little pads around the IC and solder small pieces of wire wrap wire from each pad to each pin. Its time consuming, fragile and a pain in the arse. However, there are some really neat chips coming out these days that are only available in SSOP or similar. One day, we wont have a choice!

The right tools are needed as well. Some good tweezers, ones that have diffierent angles on the head. A fine tipped soldering iron. Some solder flux (this is a must). Some low melting point solder. A good magnifying glass. The extra flux helps get heat into the joint. These days you can get flux with low impurities, so you dont need to clean it off (but I still do cause I dont like sticky fingers).

Surface mount prototyping may look complicated, but I have come to enjoy using SM more than through hole. You dont need any special reflow hot air guns or anything like that. Make sure you DONT strain your eyes. Use a well lit areas or special down lamp just on your board. I'm young (23) so my eyes are still 20/20, but I get them tested every year. If you work in the electronics industry, its probably a good idea if you get yours tested regularly as well.

73's,
Luke

VK3EM

Date: Tue, 13 Jan 1998 21:13:29 EST
From: N3BJ <N3BJ@aol.com>
To: msebrakr@telepath.com
Cc: qrp-l@lehigh.edu
Subject: [836] Re: antennaes in trees
Message-ID: <b4836238.34bc1f56@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Arnold...you're right, but I get some BIG winds here and the tree oscillations will test the strength of your wire and guys....found that an aluminum trap dipole, mounted on a mast tied to the trunk works good, if you can keep it from twisting off...

Alan, N3BJ

Bent Mountain, VA

Date: Tue, 13 Jan 1998 21:18:15 -0500
From: wsmith@cyberdrive.net (Wayne A. Smith)
To: qrp-l@Lehigh.EDU
Subject: [837] Homebuilt key
Message-ID: <199801140218.VAA17385@nemesis.cyberdrive.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

The Jan/Feb issue of THE HOME SHOP MACHINIST has neat article on building your own straight key. Unfortunately it is written in installments. Still worth waiting for part 2 in the next issue. 72 de Wayne K8FF

Date: Tue, 13 Jan 98 18:22:26 -0000
From: Russ Carpenter <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [838] First Announcement for the FEBRUARY SPARTAN SPRINT
Message-ID: <199801140218.SAA24743@guppy.pond.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

The February Spartan Sprint will be held on February 2 (which is our standard date--the first monday of the month). We will be operating on two bands--80 and 40. Don't worry if your station is a bit obese. We commend the winners in two categories--points (the Tubby Division), and points per pound (the Skinny Division).

If you are a newcomer to the Sprints, take a look at the introductory material at the end of this post.

1. Start at 9:00 PM EST, 8:00 CST, 7:00 MST and 6:00 PST. Finish at 11:00 PM EST, 10:00 CST, 9:00 MST and 8:00 PST.

2. The frequencies will be 3560+- Khz and 7040+- KHz. (You may operate one or two bands--your choice.)

3. Exchange RST, SPC (state, province or country) and power output.
4. If you choose to call CQ, use the format "CQ SP".
5. You can take credit for working the same station on a second band.

After the contest, send Russ Carpenter, AA7QU, an e-mail with your total QSOs and the total weight of your station (i.e., the combined weight of the transmitter, receiver, key, keyer and battery). You may also include your comments from the soapbox. Russ' email address is russ@natworld.com.

As an alternative, you can use our automated Spartan Sprint report at the ARS web site. Just fill in a few boxes, click the "submit" button, and you're done! You can get directly to the report page with this URL: http://www.natworld.com/ars/events/spartan/submit_spartan.html. Or you can take a more leisurely (and rewarding) stroll through the ARS site by going to the home page at <http://www.natworld.com/ars>.

The Spartan Sprint is based on a simple but stimulating concept. We are encouraging all of you to cobble together the kind of station you'd use in a portable environment--lightweight transceiver, keyer, key, and battery. Then put that turkey on the air, and participate in a two hour sprint.

All operators are invited to play, whether or not they are members of Adventure Radio Society. Even if you don't have lightweight equipment, your participation will be rewarding, both for you and the other participants. We'll report the score in two different formats--absolute scores, and points per pound of station weight. So you can get your kicks from running up a magnificent score, or achieving an remarkable ratio of points per pound.

If you're thinking about becoming a member of Adventure Radio Society, just send Richard Fisher (our membership chairman) an e-mail expressing your interest. Richard's e-mail address is nu6SN@aol.com. Membership is free, and the organization has a great group of men and women who combine their love of ham radio with their affection for the outdoors. You don't need to be a macho person; ARS welcomes people of all ages and levels of ability.

Russ Carpenter, AA7QU, Contest Manager

russ@natworld.com

Date: Tue, 13 Jan 1998 21:28:04
From: Roger Braker <msebrakr@telepath.com>
To: qrp-1@Lehigh.EDU
Subject: [839] Re: antennaes in trees
Message-ID: <3.0.1.16.19980113212804.3e0f8908@telepath.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Date: Tue, 13 Jan 1998 21:27:01
>To: N3BJ <N3BJ@aol.com>
>From: Roger Braker <msebrakr@telepath.com>
>Subject: Re: antennaes in trees
>In-Reply-To: <b4836238.34bc1f56@aol.com>

>
>We get pretty big winds here in OK so what I did was put screen door
spring on each end(after the insulator of coarse). This seems to keep it
pretty still. My traps are pretty heavy so the middle of the dipole hangs
down in the at about 25 feet. The traps are built from 2.5" pvc(the coil
form) and this encased in 4" pvc with end caps. I had trouble tuning the
ends up in the tree(I couldn't reach one of them unless I wieghed about 15
pounds:-)) and the swr wwaa very poor on 10 and 15 meters so I decided to
buy an antenna tuner(There are only two traps which are centered at about
7.0 MHZ). It does wonders to the swr. What did you mean buy "the wind
will test the strength of you wire and GUYS"? You don't guy your trees do
you???

>
>
>
>73,
>Arnold kd5ckh

>
>
>At 09:13 PM 1/13/98 EST, you wrote:
>>Arnold...you're right, but I get some BIG winds here and the tree
oscillations
>>will test the strength of your wire and guys....found that an aluminum trap
>>dipole, mounted on a mast tied to the trunk works good, if you can keep it
>>from twisting off...

>>
>>Alan, N3BJ
>>Bent Mountain, VA

>>
>>

Date: Tue, 13 Jan 1998 21:33:19 -0500
From: Ed <edn4pk@voyageronline.net>
To: ko7i@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [840] Re: Spud Gun
Message-ID: <34BC23EE.254BCBA9@VoyagerOnline.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don, yes one end of the Spud gun is capped..thats why PVC is the preferred material for making your gun. Whatever you do dont use gasoline, much too dangerous, Coleman fuel is the proper propellant..hihi..much safer..Ed N4PK

Date: Tue, 13 Jan 1998 18:40:07 -0800 (PST)
From: doug hauff <slmachco@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [841] 38 SPECIAL ENCLOSURES - COMPLETED!!!!!!
Message-ID: <199801140240.SAA19773@fletch.fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

NEWS FLASH NEWS FLASH NEWS FLASH NEWS FLASH NEWS FLASH

THEY'RE DONE!! THEY'RE DONE! SHIPPING DAILY! SHIPPING COMPLETE FRIDAY!!!
EXTRAS IN STOCK!!! HEATSINKS ON CNC TOMORROW!!! RAINBOW ENCLOSURE IN
PROTOTYPE!
YIKES! AMMMMMMAAAAAAAAAAAAAAZING!!

Date: Tue, 13 Jan 1998 20:16:10 -0600
From: "JUNIUS B FOX" <w5hir@gte.net>
To: <qrp-1@Lehigh.EDU>
Subject: [842] Phased Verticals
Message-ID: <199801140240.UAA20329@smtp2.mailsrvcs.net>

MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Have you ever read about something very interesting,
decide to look into it later, and then later, wonder where the
blasted article is??? OLD AGE...well, Maybe!!

I read an article, recently, concerning a vertical phased
array, which could be remotely switched, such that the result
radiation could be either end-fire, or broadside. Of course,
I have looked in the antenna book, the antenna compendium,
etc., but can't find the article. Could have been in QST
or CQ, well whatever. The question I have in my mind concerns
the physical spacing between the verticals. The electrical
phasing I can handle.. any suggestions? PLEASE!!!

Foxy
w5hir@gte.net

Date: Tue, 13 Jan 1998 21:42:32 EST
From: N10DL <N10DL@aol.com>
To: QRP-L@lehigh.edu
Subject: [843] FOX?What FOX
Message-ID: <a6876359.34bc261a@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Well, the wall must be up again in New Hampshire. Have been listening for the
last 1.5 hours and can't find him anywhere. I do have several strong stations
calling around but I son't recognize any of the calls. I really do nee a
better antenna, or at least another option.

CUL
72
Aron
N10DL
QRP-L#1326

Date: Tue, 13 Jan 98 19:45:34 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-l@Lehigh.EDU
Subject: [844] openwire feeders

Message-ID: <9801140245.AA23322@rgfn.epcc.Edu>

Vic-K2VCO was asking about spacers for owf. Daburn used to make the ceramic and steatite 2 inch ladder line spacers - don't know if they are still around or not but I used to get mine thru the local electronic parts house. Daburn also had the egg, dogbone and large center insulators with the top hole for rope support. If you can't find those, al alternate thxxxxxx an alternate that was in 73 Magazine many years ago (when it was a real magazine) used 2 to 3 inch solid plastic hair curlers. Larger than the steatite insulators but just as light, and the wire could be heated and pushed into the end of the plastic making a firm fitting. Worked pretty well. The impedance was probably between 450 and 600 ohm but the Johnson match box worked well. Hope the info is helpful.
73

Ray

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Tue, 13 Jan 1998 20:54:06 -0500
From: William Keith Hibbert <wb2vuo@frontiernet.net>
To: qrp-l@Lehigh.EDU
Subject: [845] Mega-Multi copies!!!!!!!!!!!!
Message-ID: <199801140154.UAA47134@node21.frontiernet.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I just got off the phone with the Tech Service guy at Frontiernet.net, and they told me that "There is a spooler problem with the Email server. Admin has been contacted. Please be patient..."

I get the QRP-L in Digest mode here at home, and Friday was OK, but I got 86 copies of the Digest on Saturday, 80 copies on Sunday, 83 on Monday and 39 so far this evening!

Does anyone need a "surplus" copy of the QRP-L Digest???

BTW: I did contact Chuck, and the problem is at this end, not at Lehigh.edu...

72/73, Keith, WB2VUO 100% QRP From the Great Bergen Swamp in WNY

ARRL Life Member, QRP-L #582, ScQRP #40, ARQRP #68
Trustee, NQ2RP/B 10 Mtr Milliwatting Beacon: 125 mW at 28.287 MHz
"My night light runs more power than my Rig!!!"

Date: Tue, 13 Jan 1998 21:37:04 EST
From: Jerrydeen <Jerrydeen@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [846] Fox
Message-ID: <fe1c8b73.34bc24d2@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thanks Bob for digging me out of all that qrm! You did a fine job, and coped well with qrm, deliberate and otherwise. Your sigs were as high as an honest 579 at times here in IA, and at times 229. I really enjoy these fox hunts!!
Tnx agn from an old guy you made happy :-)

72 Jerry WB0T

Date: Tue, 13 Jan 1998 21:50:18 EST
From: k7sz@juno.com
To: qrp@qth.net, qrp-l@Lehigh.EDU, tentec@contesting.com, tentec@qth.net
Subject: [847] Re: Correction: FS/Trade: FT-301 for T-T Omni-B/C/D or Digi Argosy
Message-ID: <19980114.035225.6575.0.k7sz@juno.com>

I have a FT-301D Yeasu transceiver that I'd like to trade for a T-T Omni-B/C or D or Argosy 525D.

The FT-301D is a 100 watt HF rig covering 160-10 meters (no WARC) and WWV/JJY.

The 100 watt "brick" has been dismantled and a coaxial jumper installed on the rear of the rig to make it into a FT-301SD (10 watt rig). I have the amp and can easily convert it back to a 100 watt radio (no, I won't sell the amp seperately!). Cosmetics are vy gd, with a mint front panel and knobs and some scratches on the top of the case. Comes with original manual but no mic. Rig works FB.

Private e-mail, please.

Rod ... WK9T

Date: Tue, 13 Jan 1998 22:16:40
From: "Gary M. - W2UX" <mail4gary@worldnet.att.net>
To: qrp-1@Lehigh.EDU
Subject: [850] No Fox Tues Nite in SC
Message-ID: <3.0.3.16.19980113221640.48076a30@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Not a peep out of the fox in SC Tues nite. Was he there???

=====
72/73 de W2UX
Gary McCaughey
Lexington, SC
CW is the REAL THING!
Use it....or lose it.
QRP-ARCI QRP-L CQC
=====

Date: Tue, 13 Jan 1998 22:26:17
From: Steven Weber <kd1jv@moose.ncia.net>
To: mtracy@arrl.org
Cc: qrp-1@Lehigh.EDU
Subject: [851] Re: Single lever paddles - what's available?
Message-ID: <3.0.3.16.19980113222617.23778000@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Michael, et all,

A single lever paddle would be pretty easy to make, I would think. Been toying with the idea myself.

You can get 1/4" square soft steel stock from the hardware store to use as the lever. A coil spring on the end would do for the center return. The pivit barring would be the only difficult part, but shoudn't really be all that hard to find something that would work. Could be fun.

Of course, Kent makes a nice one...

72,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Tue, 13 Jan 1998 21:06:58 -0600
From: "Stuart B.D. Hunt" <stuart001@ameritech.net>
To: qrp-1@Lehigh.EDU
Subject: [852] FS: QRP+
Message-ID: <34BC2BD2.D3C721BA@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I Have a QRP+ (Original Model) with updated Eprom installed ,excellent,
shipped CONUS for \$400. Reason too many radios and not enough space!

Stu KB9NAE

Phone/Fax 847-295-6941

stuart001@ameritech.net

Date: Tue, 13 Jan 1998 19:37:39 -0800 (PST)
From: George Michalski <wh6cyx@rocketmail.com>
To: qrp-1@Lehigh.EDU
Subject: [853] Re: antennas in trees
Message-ID: <19980114033739.16403.rocketmail@web1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Great idea, except for One Major Problem. "DO NOT
FALL OUT OF THE TREE !!!!!" That is what happened to
me when I was coming down from the tree. I fell 6
feet to the ground and broke my left shoulder and 3
ribs. It took 12 weeks to heal, and even today it
still hurts 1-1/2 years later. You Think My Name Has
Someting To Do With It, George hahaha

73's ALOHA and MAHALO

George S. Michalski - WH6CYX

P.S.

ALWAYS, I REPEAT, ALWAYS, HAVE SOMEONE HELPING YOU,
AND THINK SAFTY FIRST.

---Roger Braker <msebrakr@telepath.com> wrote:

>
> Hi All,
> Why not just climb the pine trees? That's what I
did. My dipole is up
> there about 45 feet in a couple of pine trees.
>
>
>
> 73,
> Arnold kd5ckh
>
>
>

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Sun, 11 Jan 1998 12:23:00 -0600
From: Bob Tellefsen-CNSE97 <Bob_Tellefsen-CNSE97@email.mot.com>
To: qrp-1@Lehigh.EDU
Subject: [854] Re: KI7MN Fox
Message-ID: <M2359629.001.r9s50.1.980114040004Z.CC-MAIL*/OU=LMPCC4/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

Gee, you were one of my easier fox catches, Bob. I was there when you first fired up, but kept calling and not getting anywhere. I kept pointing you out to Ol' Kenwood and he kept barking his fiercest, but to no avail. Guess at that time he was just outshouted by the rest of the pack.

Got called for dinner, than came back for another try. We got you with the third shot from my old California SureShot. Guess the moral is "Don't hunt fox on an empty stomach" :-)

Ol' Kenwood thought this was a fun outing, and put his whole 5 watts into it. Sounded like you were doing well, with lots of callers. We look forward to seeing your log.

72, Bob N6WG and 01' Kenwood

Date: Tue, 13 Jan 1998 23:21:47 -0500 (EST)
From: Rich Mulvey <mulveyr@frontiernet.net>
To: William Keith Hibbert <wb2vuo@frontiernet.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [855] RE: Mega-Multi copies!!!!!!!!!!!!!!
Message-ID: <XFMail.980113232147.mulveyr@mulveyr.roc.servtech.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

On 14-Jan-98 William Keith Hibbert wrote:

> I just got off the phone with the Tech Service guy at Frontiernet.net,
> and
> they told me that "There is a spooler problem with the Email server.
> Admin
> has been contacted. Please be patient..."
>
> I get the QRP-L in Digest mode here at home, and Friday was OK, but I got
> 86
> copies of the Digest on Saturday, 80 copies on Sunday, 83 on Monday and
> 39
> so far this evening!
>
> Does anyone need a "surplus" copy of the QRP-L Digest???
>
> BTW: I did contact Chuck, and the problem is at this end, not at
> Lehigh.edu...
>

Keith:

According to Dan Foster at Frontier, the problem is that one of the QRP-L users at frontier has a problem with their mailbox, that causes the mail software to continually send the messages to ALL list users at the ISP.

After I complained about it on the frontier.support newsgroup yesterday, Dan apparently fixed the problem. You might want to post a message there, as well. I haven't received any duplicates since about 17:00 yesterday. (After getting over 6,000 pieces of QRP-L mail over the

weekend. Now, I like the list, but not THAT much! :-)

Sorry about the non-QRP bandwidth guys, but you might run into the problem some day, as well. :-)

- Rich

--

Rich Mulvey
My return address is my last name,
followed by my first initial, @mulveyr.roc.servtech.com
<http://mulveyr.roc.servtech.com>
Amateur Radio: aa2ys@wb2wxq.#wny.ny.usa

Date: Tue, 13 Jan 1998 23:21:33 EST
From: JkHampton <JkHampton@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [856] RG174U as feed line
Message-ID: <56b0a338.34bc3d50@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

KI7MN has a great looking antenna called the Flamethrower. It is a light weight and the center connector and the end insulators are made from an old Bic Lighter. It looks like a neat antenna and uses the very small RG174u as feed line. The charts show RG174 as having about 3.5db attenuation per 100 feet at around 7 mhz. For this reason some people don't use RG174 for feeding antennas. The size makes it VERY tempting however. They also say that the Aerodinamics of a Bumble Bee says that they can't fly but they can fly backwards when they want to. It would also be great if RG174U made good feedline for portable QRP operations.

What does the experiance of QRP-L have to say about this one? How does the RG174U perform in actual operation? Thanks and 72 de AC5JH Tom

Date: Tue, 13 Jan 1998 22:32:48 -0600
From: Tim Ahrens <tahrens@inetport.com>
To: qrp-l@Lehigh.EDU
Subject: [857] No Fox Fer Me :'[
Message-ID: <34BC3FEF.A4114777@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Bob - Got to play for about 15 minutes before I had to leave.. you were about S5, but still couldn't break the pack! Got back about 0259 & 1/2 but not a hair to be heard! Didn't scream at the kids, but the XYL did say something about .. 'there's always another one'... she just doesn't understand! :-)... lemme see, give me Webster.. what does perspective really mean?!

Hope all had a nice evening... 40 sounded pretty good about 0300 here in Austin.

cu

Tim W5FN

Date: Tue, 13 Jan 1998 21:40:46 -0700
From: "Charles L. Stackhouse" <cstack@safelink.net>
To: "Wesley Jenks" <jenksw@vivanet.com>, "Vince Bedient" <vbedient@vivanet.com>, "Terry Jeppson" <drjobg@safelink.net>, "Sam G. Hoskins" <SamGHos@aol.com>, "Sally Stackhouse" <Stackhouse_S@Deerfield.edu>, "Robert O. Jensen" <rjensen@lynnet.com>, "Rick von Rueden" <rvonrueden@mediaone.net>,
Subject: [858] Correct address
Message-ID: <19980114043820010.AAA253@safelink.safelink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I sent everyone the wrong address (an extra l "ell" in safelink). Use the return address on this message .

cstack@safelink.net

Greetings from The Stackhouse's

Date: Tue, 13 Jan 1998 23:46:44 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:mike@krypton.nmr.Hawaii.Edu" <mike@krypton.nmr.Hawaii.Edu>, QRP-L

Discussion Group <QRP-L@Lehigh.EDU>,
"Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [859] best backpack rig
Message-ID: <199801132349_MC2-2F35-1523@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Mike:

No surprise here--but surely the Dave Benson NN1G SW-40 or Wilderness Norcal 40a would easily qualify for mono-banders. I have both. Both are low current drain. light weight, easy to operate, etc. Chuck Adams carries a Norcal 40a with him.

I would personally opt for the Wilderness Sierra. Has modules for every HF band in a compact, very effective/efficient rig. It literally sips current on receive and won't kill you with high current drain even when transmitting :-).

Told you it wouldn't be a surprise! Good luck as you check this all out.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 1/14/98 = 24. A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 13 Jan 1998 23:50:21 EST
From: ko7i@juno.com (Donald H Jones)
To: edn4pk@VoyagerOnline.net
Cc: ko7i@juno.com, qrp-l@Lehigh.EDU
Subject: [860] Re: Spud Gun
Message-ID: <19980113.214634.10271.0.ko7i@juno.com>

On Tue, 13 Jan 1998 21:33:19 -0500 Ed <edn4pk@VoyagerOnline.net> writes:
>Don, yes one end of the Spud gun is capped..thats why PVC is
>the preferred material for making your gun. Whatever you do

>dont use gasoline, much too dangerous, Coleman fuel is the
>proper propellant..hihi..much safer..Ed N4PK
>
>

Holy Cow! you-all are nuts! All Coleman feul is white-gas with Coleman
lable on it! I think I'll stick to my 70lb compound!
73 and wear a hard hat! :-)

Don Jones K07i

ko7i@juno.com

Stanwood, WA

360-652-0248

QRP-L #963 - NWQRP #435 - NORCAL #2386 - Geratol #1571

Date: Tue, 13 Jan 1998 20:52:52 -0800
From: Monte Stark <ku7y@sage.dri.edu>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [861] Fox
Message-ID: <34BC44A4.3D9F@sage.dri.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Bob,

You had a very nice sig into Nevada as usual!

I got home late, a bit after 0200z. Kissed Carol, came into the shack
and was listing for you while Carol was saying something.

There you were calling CQ around 7042. In the clear! I sent my call one
time and bingo, another pelt.

Thanks a bunch.

Now I better try to figure out what Carol was talking about. I was just
saying "yes dear"!! :-)

cul,

--

73, Ron, KU7Y

NRA Life-----Ex W6JX0, DL4RF, N7CRV-----SOWP #5545-M
QRP QRCI #8829----NorCal #330----QRP-L #17-----ARS #49
AR QRP #150-----DM09cg-----New Washoe City, NV

Date: Tue, 13 Jan 1998 23:53:55 EST
From: ALK0FRP <ALK0FRP@aol.com>
To: QRP-L@Lehigh.EDU
Subject: [862] CRYSTALS 14.060
Message-ID: <82a05196.34bc44f0@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

OK OPEN THE JUNK BOXES . I NEED A 14.060 CRYSTAL FOR MY HALFER (SMALLER
VERSION OF THE ONER) . SURFACE MOUNT VERSION PLUS KEYSER STILL IN PROTO STAGE.
NORCAL DOUG HENDRICKS IS OUT OF 14.060 AND SO IS DAN'S SMALL PARTS.
I PLAN TO RUN MY HALFER IN THE CQC WINTER QSO PARTY , IF NO ONE WANTS TO USE
MY STATION OR RUN W0CQC USING MY ALUMINUM.
BUT I NEED A 14.060 H E L L O JUNK BOXES . BEG-BORROW-STEAL
RENT- LEASE OR EVEN BUY ONE.

LET ME KNOW HAVE UNTIL END OF FEBRUARY
AL K0FRP

Date: Wed, 14 Jan 1998 05:01:51 +0100
From: "Emory R. Schley" <ERSchley@worldnet.att.net>
To: QRP-L@Lehigh.EDU
Subject: [863] TO: Marcus Leatham
Message-ID: <34BC38AF.2FF9@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Marcus;

I agree in principle with your critique of the article Alex placed on the QRP-
L, but
I wonder if you are aware that you used the following statement NINE times in your
comments?

"Don't begin a sentence with a conjunction!"

What, pray tell, is a "conjunction"? I can't seem to find that word (as spelled)
in
any of my resource material.

If you want to "trash" a fellow amateur on the Internet, I suppose that is your
right, but I would also hope you would have enough pride in your own work to spell

each
and every word correctly. Making the same error NINE times in the same document
seems a
bit much, wouldn't you agree?

Do you recall the old saying about "People who live in glass houses shouldn't
throw
bricks"?

Have a nice day. I, for one, would NEVER dream of pointing out your folly to
your
fellow amateurs. :-)

--

```
=====
|                               Emory R. Schley - N4LP                               |
|                               EL88WX - 10-10 # 49984 - QRP-L #425                     |
|                               ARCI #5962 - M-QRP-Club #405 - scQRPions #34             |
|                               -+--+--+                                             |
|                               ERSchley@worldnet.att.net   OR   ERSchley@cyberdude.com   |
|                               -+--+--+                                             |
|=====
```

--

```
=====
|                               Emory R. Schley - N4LP                               |
|                               EL88WX - 10-10 # 49984 - QRP-L #425                     |
|                               ARCI #5962 - M-QRP-Club #405 - scQRPions #34             |
|                               -+--+--+                                             |
|                               ERSchley@worldnet.att.net   OR   ERSchley@cyberdude.com   |
|                               -+--+--+                                             |
|=====
```

Date: Wed, 14 Jan 1998 00:01:58 EST
From: n7mfb@juno.com (Bill Todd)
To: N10DL@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [864] Re: FOX?What FOX
Message-ID: <19980113.205946.4895.0.n7mfb@juno.com>

Hi Aron -

Bill here from the trailer up at college in Olympia.

Re Fox: I did not hear any QRP stations except for one person on 7.039
who was having a long QSO with someone. Didn't hear a "peep" out of the

Fox tonight from here in the NW corner of the country.

I even listened up in the Novice portion (Fox territory) and didn't hear anything either.

So, you're not alone! ha ha

CUL, Bill-N7MFB

PS I picked up a new modem today, so I hope I will have my computer up and running at home this weekend, to retrieve all my e-mail.

Date: Tue, 13 Jan 1998 22:09:29 -0700 (MST)
From: ki7mn@dancris.com
To: qrp-l@Lehigh.EDU
Subject: [865] FOX Tuesday
Message-ID: <199801140509.WAA09377@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, it's over for this year. I'm a bit disappointed that I didn't get to make more contacts...only 56 again. The noise here was atrocious...a streetlight across the street picked tonight to start acting up, and it would cycle on and off, with a loud buzz when it started up again. Couldn't get away long enough to throw anything at it.

Thanks to all of you for trying, and thanks especially to those that made contact. It was fun, as usual. I finally wound up using the vertical to receive, and the dipole to transmit, thus the long pause during some of the contacts....couldn't coordinate the paddle hand, the antenna switch and my brain.

I'll get the log out as soon as I can tomorrow.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30
<http://www.dancris.com/~ki7mn>

Date: Tue, 13 Jan 1998 23:09:09 -0600
From: crc <crc@io.com>
To: qrp-l@Lehigh.EDU
Subject: [866] Re:Antennas in trees

Message-ID: <34BC4875.31A6@io.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Back when I started in this hobby I too climbed the trees with the antenna wire in my teeth. Now I get some young dumb kid (like Iwas) to do it for me. If we want to launch a really big antenna should we go for a pumpkin gun? %)charlie wa5krf

Date: Wed, 14 Jan 1998 00:07:27 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:ki7mn@dancris.com" <ki7mn@dancris.com>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [867] FOX Tuesday = Thanks
Message-ID: <199801140011_MC2-2F36-F3E2@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Bob:

Many thanks for digging me out tonight. Felt very lucky to get through the hungry pack.

You had a very good signal, except for the occasional deep QSB. But then you would suddenly pop back up to 569/579. Kept taking shots at you as you sashayed around from one hidey-hole to another. Finally got a clear shot = one pelt :-)!

Strange propagation tonight. Actually thought I heard a KH6 call in there at one point. Never could really dig him out, though. Tried switching from the window to the GAP. But no go. Actually, I wanted to grab a QSO with him myself. Oh well.

Setup was the Sierra at 1.95 watts into a Gusher-II at 17 feet. Wanted to shake the rig out in preparation for FYBO <VBG>. Also used the Emtech ZM-1/N7VE visual indicator and the Whiterook 88 keyer.

Anyway, thanks for a great hunt. Sounded like you were basically busy throughout. Will be interested in seeing the log.

72/73,

--Doc/K0EVZ qrp-l 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19

nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 13 Jan 1998 22:12:12 -0800
From: tayloe_d@juno.com (Daniel R Tayloe)
To: azqrp@dancris.com, qrp-1@Lehigh.EDU
Subject: [868] First Fox Mobile Contact
Message-ID: <19980113.221214.13926.1.tayloe_d@juno.com>

Thanks Bob for my first Fox Mobile contact. By that I mean mobile as in
"in motion". I was not quite to the club designated Italian meeting
point

when I heard you start your run. 599++ easy. Of course, it helps to be
about 1 mile from your house.

I was stuck in traffic, so while driving, I decided to go for the pelt.
First shot
was a dud. I forgot to turn on the keyer. I finally got it on and
managed to
send out novice speed CW. Ops... On the second shot, I was beat out by
Bobs wife, Bertie. Oh, well..... Finally nailed that hide to the wall
with the
third shot!

However, you can imagine that I was making my poor wife a bit nervous
flipping switches, turning knobs, keying, and driving at the same time.

Lets do it again!

- Dan Tayloe, Phoenix, Az, AZ ScQRPions, QRPL #696

Date: Tue, 13 Jan 98 21:39:14 PST
From: Paul Erickson <paul1@wizard.ucs.sfu.ca>
To: mike@krypton.nmr.Hawaii.Edu
Cc: qrp-1@Lehigh.EDU (qrp)

Subject: [869] Best backpack rig
Message-ID: <9801140539.AA11944@wizard.ucs.sfu.ca>

Hi Mike,

I will also recommend Dave Benson's SW-40 rig. I would also recommend the 38s. I took both on a horseback trip I took into the Mountains of B.C.. If your weight limits aren't too tight having the second rig is good as backup in case something happens to one. This is why I didn't take my OHR-400, eventhough the multi bands would have been nice.

cheers, Paul
VE7CQK
email: paul11@wizard.ucs.sfu.ca

Date: Tue, 13 Jan 1998 22:56:12 -0700 (MST)
From: ki7mn@dancris.com
To: qrp-1@Lehigh.EDU
Subject: [870] FOX Log Tuesday
Message-ID: <199801140556.WAA21891@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Ah, heck, here is the preliminary log....too hyped up to let it go 'till tomorrow:

TIME	CALL	RST	STATE	NAME	NUMBER
100	WE6W 559	CA	ED	1068	
101	N7XJW	599	AZ	BERTIE	1259
101	N7VE 599	AZ	DAN	5W	
104	W7SSM	599	CA	JOHN	1048
105	KA5T 559	TX	LARRY	89	
106	N6MM 579	CA	HARVEY	318	
108	N7KT 599	AZ	ROGER	62	
109	K2VCO	579	CA	VIC	724
110	K1MG 589	CA	MIKE	614	
111	W6ZS 589	CA	DAVE	258	
113	NQ7X 599	AZ	FLOYD	242	
114	W5SB 559	TX	BILL	1279	
116	W9UQB	599	AZ	MIKE	413
117	W6NAE	559	CA	DWIGHT	2W
119	KI60Y	599	CA	LEE	837
121	W5VBO	559	AZ	BRIAN	404

123	NQ7K	559	AZ	MIKE	47	
125	N6WG	559	CA	BOB	26	
126	WD7Y	559	NV	ED	1389	
129	K0EZV	569	MN	DOC	861	
131	N5LU	559	OK	BILL	5W	
132	K6VNX	579	CA	ARLEN	5W	
135	N5JI	559	TX	DICK	1054	
137	K5JSW	559	TX	BILL	825	?
140	AB7MY	599	AZ	GARY	571	
141	AK1P	559	CA	PAUL	284	?
143	N7IR	579	AZ	GARY	1330	?
145	KK6MC	599	CA	JIM	411	
147	AB5UA	559	OK	CLIF	478	
149	VE7CQK	559	BC	PAUL	20	
150	W0CH	559	MO	DAVE	618	
152	N6VZ	559	CA	GARY	919	
155	N6XU	569	CA	STAN	66	
156	W2PFS	449	NY	SAL	5W	
158	K5ID	559	AR	KENT	652	
159	KI0J	559	TX	OJ	732	
201	AF5Z	559	TX	BOB	984	
203	AA9L	449	WI	RICH	1355	
206	W6BAB	579	CA	HARVEY	5W	
207	K5ZTY	339	TX	BILL	473	
210	KU7Y	569	NV	RON	17	
211	W03B	559	CA	BOB	195	
213	AB5UA	559	OK	CLIF	478	DUP
215	KF6CTA	339	CA	DICK	951	
217	VE5RC	559	SK	IAN	886	
220	K06KA	559	CA	BOB	176	
222	WB0T	559	IA	JERRY	1268	
225	AE4IC	559	NC	BOB	54	
226	AA5TA	559	TX	LARRY	1245	
236	W6EMT	579	WA	ROY	369	
238	K5UP	559	OK	GLEN	21	
240	AB7TT	599	AZ	JOE	191	
242	AB7OA	599	AZ	KENT	57	
243	AI7R	599	AZ	DAVE	500mW	
245	N5ALO	449	TX	BILL	415	
251	AA0ZZ	559	MN	CRAIG	1238	
253	KB0SZG	559	CO	RON	928	

As usual, corrections to me via e-mail and I'll get the official log done. I think I got most of it, through the noise. Apologies to those I couldn't pull out, and any errors on the log.

72,73

Bob KI7MN Norcal 1228, QRP-L 271, ARCI 8918, CQC 274, AKQRP 30

<http://www.dancris.com/~ki7mn>

Date: Tue, 13 Jan 1998 23:21:14 -0700
From: Niel Skousen <nskousen@scientechnology.com>
To: qrp-1@Lehigh.EDU
Subject: [871] miniature key trade
Message-ID: <v03020900b0e2095c9589@[205.180.127.19]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I corresponded w/ someone in the NY/East Coast area about 6mo ago re a swap for a miniature code key. I sent the trade 'goods' and have since lost the address of the other individual, who was headed overseas to Nepal as I recall. If your out there please drop me a direct note....

TNX Niel

Date: Tue, 13 Jan 1998 23:27:19 -0700
From: Niel Skousen <nskousen@scientechnology.com>
To: qrp-1@Lehigh.EDU
Subject: [872] Norcal XMAS Paddles
Message-ID: <v03020901b0e209e8b68e@[205.180.127.19]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Christmas came, the NorCal paddles showed up under the tree :-). (XYL had intercepted them :-). Mine ended up a Forest Green and Brass, her choice of colors and I like it.

Question(s):

- the spacing seems to be somewhat asymmetrical between the ctr block and the dot/dash contacts, is this to be expected? How is best to compensate?
- the dot arm has a substantial vertical rocking in it, is this part of the fit & adjustment process?

Observation:

- since I have not finished the plexiglass handles yet, I was playing with the paddles w/o the handles. I like the narrower spacing of the levers w/o

the handles better, in fact I may leave the handles off for portable use. One less thing to break, and to stick out... w/ some add'l adjustment I think they will be neat as is...

Niel

Date: Wed, 14 Jan 1998 06:38:51 -0800
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [873] Re: openwire feeders
Message-ID: <34BCCDFB.188B@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ray Colbert, W5XE, mentioned Daburn as a source of ceramic and steatite insulators for open line feeders. A quick check of the WWW search engines revealed that Daburn Electronics and Cable Corporation has a web site:

<http://www.daburn.com/~daburn/general.html>

Ceramic insulators are still listed as part of their Electronics Components Division and a catalog is available via an e-mail request. They also have antenna wire and other products that might be of interests to creative QRPers. Have you noticed to high cost of quality egg strain insulators even at swap meets?

73, Harvey, N6MM.

Date: Wed, 14 Jan 1998 01:54:39 EST
From: ROYGREGSON <ROYGREGSON@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [874] Phil, humbolt1 ?
Message-ID: <40dac74b.34bc6131@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Phil, tried to answer your email, but my email bounced. Could you send again please ?

72's/73's Roy

Date: Wed, 14 Jan 1998 03:07:18 EST
From: scarylar@juno.com (larry a netz)
To: qrp-1@Lehigh.EDU
Subject: [875] Re: Learn English Before Writing
Message-ID: <19980114.000321.5455.0.scarylar@juno.com>

Dear Marcus:

Please accept three words of advice:
Switch to de-caf.

73

Larry

On 12 Jan 1998 12:12 EST "Marcus Leatham" <leatham@nortel.ca> writes:

>

>Alex:

>

>Honestly, I don't think any magazine would publish an article from one
>as ignorant as you. The magazines don't want to spend a lot of time
>editing grammar and spelling mistakes or inserting those little
>'[sic]'

>notations to show that the mistake was yours. Of course, if you spent
>

>more time operating CW, you might learn how to spell.

>

>> Hi - My name is Alex Haynes (KW5D) and I'm preparing an article for
>one

>>of the ham radio magazines. It deals with ham radio spectrum
>allocation

>>and our rights as citizens. The title is sort of dry I know, but it
>gets

>>better (I hope) as it goes along.

>

>Dream On!

>

>>If you have time, I sure would

>>appreciate any thoughts or comments you might have on it. I expect
>some of

>>you will totally disagree with its conclusions, so if possible please
>try

>>to review it from a factual point of view only - and there is no need
>to

>>bring my parentage into question. Thanks for taking the time. My
>e-mail

>>address is: alexh@ipa.net and my phone is (501)253-9699.

>
>The bottom line is this: The presence of all the mistakes detracts
>from
>the reading of the article. If you haven't learned proper grammar and
>
>spelling, how is it that you are competent and qualified to argue this
>or any other legal point in a public forum? The best you could hope
>for
>is that a magazine which is starving for material might put this in as
>a
>letter from a reader, but never as an article. It is obvious that you
>haven't done very much research.
>
>I don't know why I wasted my time editing this since you won't even
>know what I'm talking about.
>
>>-----
>
>>
>
>> Radio Spectrum Regulation and Citizen Rights.
> "Citizens' Rights" no period, titles are underlined
> Double spacing is appreciated for hardcopy, but not needed for
> computer files
>>
>> Hams seem to be getting more and more pessimistic about
>the
>> future of amateur radio. At least that is the impression I
>get
> This is pure speculation and not based on any facts or surveys
>> from reading many of our magazines and listening to on-air dis
> Hyphen required if continuing a word on the next line
>> cussions.
>> One of the main lines of thought seems to go something
>like
>> this: Since our armed forces no longer use Morse code to
>commu
> Hyphen required if continuing a word on the next line
>> nicate, there is no longer a need for a code trained manpower
>> resource ready to be called upon in times of emergency.
>Hence,
>> ham radio is doomed because it can no longer be justified on
>the
>> basis of an emergency "military" need.
>> What a bunch of baloney!
> In your opinion only
>> Such reasoning may seem to make sense to die-hard code
>advo

> Hyphen required if continuing a word on the next line
>> cates, especially if you are trying to perpetuate the myth
>that
> In your opinion only
>> code is somehow essential to amateur radio, but it really does
>> not make sense when you take a close look at it.
>> First of all, our government does not "own" the airwaves
> They have been auctioning them off like they own them. Where have
> you been for the last couple of years?
>> (frequency spectrum, electromagnetic propagation waves or
>> whatever
>> you want to call it) and they can not arbitrarily decide who
>is
> Perhaps you should do some research and decide what to call it
> instead of openly admitting your ignorance in the matter
>> allowed to use it. In the legal sense, the "airwaves" are a
> I seriously doubt that you know anything about the legal sense
> or the technical sense either. What are your legal credentials?
> Who is your legal reference?
>> resource akin to the water in the oceans, the sunshine and the
>> air we breathe. Nobody owns them because they are not
>"control
> Hyphen required if continuing a word on the next line
>> lable". While water or air may be converted into "property"
>by
>> containing it in a vessel, and it may thereby be "owned", such
>> is not the case for sunshine and other electromagnetic
>radiation
> You previously stated how much alike they are; now you are proving
> how unlike they are. Which is your point?
>> used for radio communication. I'll call these "virtual"
> I can convert electromagnetic energy into chemical energy as in a
> battery, and then I own the battery
> Do your research: energy and spectrum are not the same
>> resources, i.e. they exist in essence, but not in actual form.
> i.e.,
>> Since everybody has a vital interest in their proper use,
>we
> Vital as in I'd die without it? We existed a long time before we
> even knew about them.
>> give our government the responsibility to regulate these uncon
> Hyphen required if continuing a word on the next line
>> trollable and virtual resources for us. Now, the military may
>> have a priority claim to some of these resources at critical
>> times in the course of things, but that does not mean the only
> things? course of things? what things?
>> way we citizens may gain access to our resources is through
>the

```

>>    good graces of the military on a derived-need basis. Nor does
>    Don't begin a sentence with a conjunction!
>>    it mean that our government may arbitrarily exclude non-
>>    commercial users (amateur radio hobbyists, for instance) from
>>    the enjoyment of the airwaves (which are ours to begin with)
>    I don't think this is a correct statement; besides, the past is
>    irrelevant.
>>    simply because broadcasters and other for-profit users of the
>>    public's resource may have more influence in the frequency
>allo
>    Hyphen required if continuing a word on the next line
>>    cation process.
>>    We must never forget the people are the primary owners of
>>    these virtual resources, not the government or commercial
>inter
>    Hyphen required if continuing a word on the next line
>    Corporations are ultimately owned by people anyway. It is for the
>    public good to let them use the spectrum.
>>    ests as some would have us believe. And, as the primary
>owners,
>    Don't begin a sentence with a conjunction!
>>    each segment of our society has an inalienable right of access
>>    to a portion of the radio spectrum sufficient to meet their
>>    needs. AM/FM radio listeners, cell phone users, TV watchers,
>>    emergency service providers, the military and all the other
>>    users, as well as amateur radio operators all have a
>legitimate
>>    claim to this virtual resource. The government's role is to
>>    equitably allocate the resource to best meet the needs of all
>    "to equitably allocate" is a split infinitive
>    "to best meet" is a split infinitive
>>    the users and to insure its proper use.
>    should be "ensure" not "insure" "Insure" means to buy a policy.
>    "Ensure" means to make certain.
>>    And there is the rub.
>    Don't begin a sentence with a conjunction!
>>    We expect the government to somehow exercise infinite
>impar
>    Hyphen required if continuing a word on the next line
>    "to somehow exercise" is a split infinitive
>>    tiality and wisdom to come up with a magic formula to parcel
>out
>>    our limited electromagnetic spectrum among all those with legi
>    Hyphen required if continuing a word on the next line
>>    timate claims to it's use. But we all know governments are
>not
>    Don't begin a sentence with a conjunction!
>    should be "its" not "it's" "It's" means "it is". "Its" is

```

>possessive.
>> perfect, are far from impartial and private interests seem to
>be
> Bad punctuation. Try this:
> perfect and are far from impartial, and private interests seem to
>be
>> able to significantly skew the resource allocation process.
> "to significantly skew" is a split infinitive
>> But, having said that, what does it imply about the
>current
> Don't begin a sentence with a conjunction!
> it/that? should be that/that
>> amateur radio spectrum allocation?
>> Looking only at the communications spectrum below 30 MHz.,
> The correct abbreviation is MHz, not mHz
> a period is not required since it is a unit of measure
>> ham radio is allocated in 9 bands, spread throughout the
>range.
> no comma required after bands
>> This would appear fair in that it offers a variety of propaga
> Hyphen required if continuing a word on the next line
>> tion characteristics available within the range. But, what
> Don't begin a sentence with a conjunction!
>> about the size of the bands?
>> The following table shows the current ham frequency alloca
> Hyphen required if continuing a word on the next line
>> tions:
>>
>> FREQ. HAM HAM PERCENT
>> RANGE BAND SPECTRUM of RANGE
> If you're going to use all capitals, then do it ^^
> and be consistent!
>> mHz m mHz %
> Bad abbreviation MHz
>>
>> .5 - 1 --- --- 0.0
>> 1 - 2 160 1.8 - 2.0 10.5
> Isn't this .2 MHz out of 1 MHz range, or 20%?
> Since this math is incorrect, I assume the rest is
> incorrect because I don't have time to work it out
>> 2 - 4 80 3.5 - 4.0 13.3
>> 4 - 8 40 7.0 - 7.3 4.2
>> 8 - 16 30 10.1 - 10.15 0.5
>> " 20 14 - 14.35 2.5
>> 16 - 32 17 18.068 - 18.168 0.6
>> " 15 21.0 - 21.45 2.1
>> " 12 24.89 - 24.99 4.0
>> " 10 28.0 - 29.7 5.6


```

>>
>>          -----
>>          3.75 mHz = 12.5%      4.3%
>   The rest of your discussion dealing with numbers is bullshit
>   because you haven't figured out the numbers correctly.
>>
>>          A quick calculation indicates that hams have been
>allocated
>>          about 12.5% of the radio spectrum up to 30 mHz.  This seems
>more
>>          than fair when considering we are less than 1% of the popula
>   Hyphen required if continuing a word on the next line
>>          tion.  But then you notice that about half of the ham
>allocation
>   Don't begin a sentence with a conjunction!
>>          is way up at the high end of the spectrum where long distance
>>          communications are usually severely limited by propagation
>char
>   Hyphen required if continuing a word on the next line
>>          acteristics.  A more objective way to view our spectrum alloca
>   Hyphen required if continuing a word on the next line
>>          tion might be to look at in terms of doubling frequency bands,
>   Look at ? in terms....
>>          which would tend to normalize propagation characteristics.
>When
>   Not when the sunspots are up.  You haven't supported this argument.
>>          this is done, we have about 4% of each band, on the average.
>>          Still generous in proportion to our numbers.
>   Not a sentence
>>          But thinking about it further, the latest ARRL survey
>showed
>   Don't begin a sentence with a conjunction!
>>          that less than 20% of all hams routinely use code to commu
>   Hyphen required if continuing a word on the next line
>>          nicate and since about half of the ham radio frequencies are
>   How many of these hams are Technicians with no code licenses and
>   no HF privileges?  Two meters is the most active band, after all.
>>          reserved exclusively for code (and some RTTY) operation, this
>>          means that more than 80% of all hams use only about one-half
>of
>>          the assigned spectrum.  Thus, the spectrum allocated to phone
>>          operators is much more directly in proportion to their
>population
>   At this point,
>   this argument seems to suggest the FCC should take away CW-only
>   sub-bands to make them in line with our numbers.  I think you
>should
>   argue that the CW sub-bands should be converted to phone.
>>          share - 'a more equitable resource allocation', in governmen

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> Hyphen required if continuing a word on the next line
>> teese.
> Did you just invent this word governmenteese? Put it in quotes if
>so!
> It's hyphenated incorrectly, besides.
>> What seems to be way out of proportion is the large amount
>> radio spectrum allocated to code operators - by a factor of at
>> least 8 to 1 (i.e., all of the ham spectrum for 20% of the
>users
>> as compared to half of the spectrum for 80% of the users).
> As previously noted, your numbers are bullshit
>> Thus, it would appear that as a group, code operators
>should
> ^ comma needed
>> be most concerned about frequency spectrum reallocation since
>> their current overly generous slice of the pie is way out of
>> proportion to their apparent needs and usage. And with the
> Don't begin a sentence with a conjunction!
>> ongoing deemphasis of code in amateur communications and else
>> where, a major realignment appears inevitable.
> Hyphen required if continuing a word on the next line
>> So what does all this imply about the future of ham radio?
>> Unless the ARRL and code operators manage to recruit
>staggering
>> numbers of key pounders (which is, of course, highly
>unlikely),
>> we will probably not be able to justify keeping all the
>spectrum
>> we already have. And if the ARRL persists in their dogmatic
> Don't begin a sentence with a conjunction!
>> insistence on a code requirement, we certainly won't be able
>to
>> attract the numbers of otherwise qualified operators necessary
>> to justify all the spectrum we already have and we will
>likewise
>> probably lose some of it. Of course, the only equitable way
>to
> "lose" not "loose"
>> absorb the losses would be to take them mostly out of the
>under
>> utilized code-only portions of the bands, but that's probably
>> something the ARRL and their like-minded FCC cohorts will not
>> allow to happen.
>> Our only hope is the ARRL will wise up and see that the
>code
>> requirement itself is the greatest threat to ham radio and not
>> the dropping of code by the military, before it is too late.
> "before it is too late" refers to dropping of the code by the

> military? Your sentence structure implies this.
>> And we will know its too late when our frequency allocations
> "it's" not "its"
>> begin to suffer significant cuts.
>>
>>Alex Haynes
>
>

Date: Wed, 14 Jan 1998 01:10:14 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [876] Pacificon Writeup Oversight
Message-ID: <199801140810.BAA24972@usr09.primenet.com>

Howdy Folks,

So here it is, 1:00 AM, and I'm flipping through my newly arrived QRPP and QQ magazines (Ron - yeah, I know, I've got deadlines, but this was... uh... field research. Yeah! Field research... ;-))

Anyway, I'm soaking up all the glorious QRP tidbits when I run across the blurb in QQ I wrote on Pacificon '97. Wondering if it'll make as much sense now as it did when I wrote it months ago in the wee hours, I start reading. Then I found it.

It's an obvious error on my part, so I sure hope it didn't cause offense to Jim (WA6GER). When I mentioned that both Doug (KI6DS) and Jim were awarded the Pacific Division Ham of the Year award, I follow up by saying, "Congratulations Doug!" Argh! Of course that should've read, "Congratulations Doug and Jim!"

OK, that may seem minor to all of you, but it mattered to me. So to Doug *and* Jim, many congrats! Without a doubt, well-deserved!

Back to my cage. Woof. :-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"C'est la vie, c'est la guerre, c'est la pomme du terre."

Date: Wed, 14 Jan 1998 15:42:50 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: qrp@pandora.lugs.org.sg
Subject: [877] What CW tone do you prefer?
Message-ID: <34bc6c7a.pandora@pandora.lugs.org.sg>

Hi,

I am just wondering what frequency is preferred for the CW sidetone. I know that most people use either 800Hz or 750Hz but are there those who use higher or lower frequencies? Is there some kind of consensus as to which is a better sidetone frequency and why? Thanks.

73 de 9V1ZV Daniel

--

Daniel Wee	daniel@pandora.lugs.org.sg
9V1ZV	
QRP-L #667	9V1ZV@amsat.org

Date: Wed, 14 Jan 1998 03:40:14 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: Niel Skousen <nskousen@scientechn.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [878] Re: Norcal XMAS Paddles
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 13 Jan 1998, Niel Skousen wrote:

>
> - since I have not finished the plexiglass handles yet, I was playing with
> the paddles w/o the handles. I like the narrower spacing of the levers w/o
> the handles better, in fact I may leave the handles off for portable use.
> One less thing to break, and to stick out... w/ some add'l adjustment I
> think they will be neat as is...

If you mount one of the plexiglass paddles on the wrong side of the brass arm (I did this with the left one), the spacing becomes identical to my Bencher. By the way, I finally made mine non-iambic by sticking a rubber

foot between the plexiglass paddles and readjusting the contacts and travel so that it was no longer possible to close both contacts simultaneously (did I spell that right, or will I get an English lesson?) :-)

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Wed, 14 Jan 1998 03:50:54 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [879] Re: What CW tone do you prefer?
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 14 Jan 1998, W. Daniel, 9V1ZV wrote:

>
> I am just wondering what frequency is preferred for the CW sidetone. I
> know that most people use either 800Hz or 750Hz but are there those who use
> higher or lower frequencies? Is there some kind of consensus as to which is
> a better sidetone frequency and why? Thanks.
I've read of studies on the subject. Seems lower freqs are better since it is much easier to discern between slightly different tones. My IC-706 is set for 600 cycles and my FT-1000MP for something between 500-600 cy... Works for me.

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Wed, 14 Jan 1998 01:21:37 -0500
From: wpc@west.net (John L. Roblin / Whiterook Products Co.)
To: qrp-1@Lehigh.EDU
Subject: [880] Re: Keyers / TiCK Info Page
Message-ID: <v01530503b0e20701bb0f@[205.254.241.207]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>Does anyone know the difference between the K1EL keyer (just ordered) and the
>Tick2b? The K1EL has many options and costs \$10 for the chip+board and needs
>about \$4.50 of Radio Shack parts.

Since we manufacture a line of TiCK Pocket Mini-Paddles and Mini-Keyers, we
have set up a highly detailed webpage, with tables and a flow chart,
explaining the operation of the TiCK-1 and TiCK-2B.

Go to:

<http://www.west.net/~wpc/tickop.html>

72,

John Roblin WA6KY0
Whiterook Products Company
Ventura, California
wpc@west.net
<http://www.west.net/~wpc>

Date: Tue, 13 Jan 1998 11:56:37 +0000
From: R00 <R00@kanga.demon.co.uk>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [881] Sling-shot etc
Message-ID: <1UMADJA1Z1u0Ewt0@kanga.demon.co.uk>
MIME-Version: 1.0

Hi gang,

There has been much discussion about sling shots / tennis
raquets etc and trees.

Over the years I have also tried many ways to get a wire over trees also at times <100 feet. The best way IMHO is a fishing rod, fishing line and a soft weight such as an apple / orange. If anyone gets hit by this when flying no-one gets really hurt. The fruit can also be offered as an apology.

I have hit more targets with this method than any other and got quite expert. Mind you, I did have the equipment here anyway.

TTFN de ..

--

Dick Pascoe G0BPS
Kanga Products
Seaview House, Crete Road East.
Folkestone Kent CT18 7EG.
Tel / Fax (44) (0) 1303 891106

<http://www.kanga.demon.co.uk>

Date: Wed, 14 Jan 1998 07:09:37 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: William R Colbert <af852@rgfn.epcc.Edu>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [882] Re: openwire feeders
Message-ID: <Pine.SOL.3.94.980114065824.28610A-1000000@larry>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill,

I read a posting on another list of someone using plastic coat hangers--the type that are 6-10 for a buck or so from Walmart.

For most HF purposes, transmission line from an antenna to an ATU can be almost any "high" value from 300-600 ohms or so. For open wire line of this sort, whatever the spacer, the standard equations in the HB will provide quite accurate info on the Zo--or allow you to tailor your Zo, in case you have any critical situations or want to then calculate an open or shorted stub reactance value. HAMCALC from VE3ERP has a program for calculating the Zo (or given any 2 of these: Zo, wire size, center-to-center spacing, calculating the third).

Knowing the Zo of the line you make is handy if you have trouble in making a match with an ATU, since the transformation of the antenna feed $R \pm jX$ down the line to the ATU is dependent on the Zo of the line--and you may get an indication from the exercise of how much to lengthen or shorten the line to present the ATU with values it handles comfortably (meaning efficiently). See also W6RCA's notes on using line lengths alone (plus a 1:1 balun) to tune an all-band doublet.

For spacers, I like to drill a hole as a tight fit for the wire and then cut a thinner slot from the hole to the spacer end. Leave any burrs as grippers. Now just press the wire into the slot until it reaches the hole. Takes good effort to slide and stays in place. Then, when all is set, see the HB recommendation for bridge wires to hold the spacer permanently. For plastic, a little heat on the wire often gives a "melt fit" that is pretty durable, but if the line takes a weather beating, bridges are more durable.

Just some extra ideas for the pot.

-73-

LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (423) 974-7215
1434 High Mesa Drive	/	\	\	/	/	/	(Hm) (423) 938-6335
Knoxville, Tennessee	/\	\	\	/	/		(FAX) (423) 974-3509
37938-4443 USA	/	\	\	/	/		cebik@utk.edu

URL: <http://funnelweb.utcc.utk.edu/~cebik/radio.html>

Date: Wed, 14 Jan 1998 08:51:38 -0500 (EST)
 From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
 To: qrp-l <qrp-l@Lehigh.EDU>
 Subject: [883] Re: What CW tone do you prefer?
 Message-ID: <Pine.LNX.3.95.980114083230.14332P-1000000@w3eax.umd.edu>
 MIME-Version: 1.0
 Content-Type: TEXT/PLAIN; charset=US-ASCII

I personally fall somewhere between 650 and 700 Hz.

Many people feel that lower freq (400 Hz) is better although I don't

subscribe to this myself. There is the old mathematical formula that supposedly backs up this fact, at least for higher speeds of code, although I have no actual idea if it really holds.

Imagine the ear takes one full cycle of AF pressure to register a note. I personally believe in frequency-domain analysis, thus EVERYTHING, no matter how long its duration, has a complete set of frequencies.

Anyway, imagine for the sake of argument 40 wpm CW. "PARIS" takes 1.5 seconds to send, including spaces, as "PARIS" is the standard word by which CW is timed.

Let's assume that gaps are

Inter-element 1 unit
Inter-character 3 units
Inter-word 5 units

and

Dit 1 unit
Dah 3 units

Examining lengths of stuff...

$P = \text{dit} + \text{sp} + \text{dah} + \text{sp} + \text{dah} + \text{sp} + \text{dit} = 1 + 1 + 3 + 1 + 3 + 1 + 1 = 11$

$A = \text{dit} + \text{sp} + \text{dah} = 1 + 1 + 3 = 5$

$R = \text{dit} + \text{sp} + \text{dah} + \text{sp} + \text{dit} = 1 + 1 + 3 + 1 + 1 = 7$

$I = \text{dit} + \text{sp} + \text{dit} = 3$

$S = \text{dit} + \text{sp} + \text{dit} + \text{sp} + \text{dit} = 5$

Plus 3 spaces in between letters, plus 5 at the end before the next word.

For the letters:

$11 + 5 + 7 + 3 + 5 = 31$

Plus $4 \times 3 = 12$

Plus 5

$31 + 12 + 5 = 48$ "time elements."

In a period of 1.5 seconds, this gives each about 31.25 milliseconds.

Now, combining tones with Code speed...we find that a "dit" contains

Tone Period Waves per "dit"

200 Hz	5 mS period	6.25
400 Hz	2.5 mS period	12.5
600 Hz	1.67 mS period	18.7
800 Hz	1.25 mS period	25.0

So what does this mean? If it takes YOUR eardrum/hammer/anvil/stirrup and brain more waves to determine the presence of a tone, it MIGHT not happen at lower pitches.

* Scott Rosenfeld NF3I Burtonsville, MD FM19mc QRV 80-10/6/2/440 *
 * 6m 82 grids on 8w * DXCC WAS WAC * QRP-L #147 * QRP ARCI #9054 *
 * <http://w3eax.umd.edu/~ham> * ARRL Life Member /Laurel ARC/UMARA *
 *** 301-549-1022 h 301-982-1015 w *** 35 wpm HF mobile CW Neon ***

On Wed, 14 Jan 1998, W. Daniel, 9V1ZV wrote:

```
> Hi,
>
> I am just wondering what frequency is preferred for the CW sidetone. I
> know that most people use either 800Hz or 750Hz but are there those who use
> higher or lower frequencies? Is there some kind of consensus as to which is
> a better sidetone frequency and why? Thanks.
>
> 73 de 9V1ZV Daniel
> --
> +-----+-----+
> | Daniel Wee | daniel@pandora.lugs.org.sg |
> | 9V1ZV      | |
> | QRP-L #667 | 9V1ZV@amsat.org |
> +-----+-----+
>
```

```
-----
Date: Wed, 14 Jan 98 08:24:02 PST
From: "Roy Lincoln@cocentral.com" <cc1595@cocentral.com>
To: crc@io.com, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [884] Re:Antennas in trees
Message-ID: <MAPI.Id.0016.006331353935202030303036303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
```

Hi Guys,

Why climb trees at all? I use my rod and reel to cast a line clear =
 over the top of a tree so that the line lodges in a high fork.Remove the =

weight, attach string, reel the string back, attach rope and pull it up. Then pull your antenna up! Simple, effective! 73 Roy Lincoln WA4D0U

Date: Wed, 14 Jan 1998 08:53:24 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:w5hir@gte.net" <w5hir@gte.net>, "Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.EDU>
Subject: [885] Phased Verticals
Message-ID: <199801140857_MC2-2F46-7D97@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

OM:

Well the article you are referring to was in a recent QRPP article. Unfortunately I cannot say the exact date--because have mislaid my copy. It was the one with the purple cover <VBG>. Page 3. Tim Ahrens with his old call, etc. Great article.

If no one helps further, I will dig deeper for the exact issue. Let me know..

72/73,
--Doc/K0EVZ qrp-l 861 norcal 2050 cqz 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< FOX Total 1/14/98 = 24. A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Auttek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Wed, 14 Jan 1998 07:05:04 -0700 (MST)
From: Bob Hightower <ki7mn@dancris.com>
To: feivan@ibm.net
Cc: qrp-l@Lehigh.EDU

Subject: [886] Re: per min charges
Message-ID: <199801141405.HAA25992@user2.dancris.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:33 AM 1/14/98 -0500, you wrote:

>
>The argument that internet access has anything to do with providing lines
>seems a bit far fetched. Perhaps some households will opt for an
>additional line because of internet access, still, the limiting factor
>on providing lines would be ports on the switch, and the copper to the
>users.

>
Providing new lines is not the issue....new area codes pop up all the time.
The real problem is that the inter-office trunking to get your call from
your PC to the ISP is getting overloaded, and is going to need some heavy
duty reinforcement in most areas. If you increase the size of the funnel
without increasing the size of the bottom end of it, you aren't gonna get
anywhere.

>Hey, for what it is worth, the \$7.00 per line new tax for "internet
>access and what not" is probably already more than per minute charges
>would be. Just hang on to your billfold, I'll bet its not over yet.
>

The Universal Service Fund for providing the access to schools and libraries
is not \$7.00, just a small percentage (either 4.7 or 7.4, don't have the
figures right at my fingertips). We have had this fund for years in order to
provide service to rural areas (right, a subsidy), so it isn't new.

73,
Bob KI7MN (ki7mn@dancris.com) Chandler, AZ
Grid DM43bi Lat 33.334500 Long -111.87260
NorCal #1221 ARCI #8918 Qrp-1 #271 CQC #274 AK QRP #30 ARRL
<http://www.dancris.com/~ki7mn>
WIMPS: QS0's=19 30=19 17=0 12=0 States=15/0/0 DX 0/0/0 QSL's=6

Date: Wed, 14 Jan 1998 09:02:49 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@Lehigh.EDU>, "Doc W.D. Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [887] WY for QRP/WAS--Help!
Message-ID: <199801140905_MC2-2F42-9668@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Gang:

All set here with RI for QRP WAS :-). Now I only need WY to complete.
Anyone out there who can help? Eg, perhaps a friend who would be
willing to QRP his/her rig, etc.?

Sure would be great to finish! Thanks in advance.

72/73,

--Doc/K0EVZ qrp-1 861 norcal 2050 cqc 414 ARS 311 FISTS 3868 mn-qrp 19
nj-qrp 69 ak/qrp 139 AR QRP 73 ARCI 9398 ARRL QRP WAS 44/42
DXCC 73/44 Grid EN34 <>< A 1997/98 FOX.

Omni V Corsair I Yaesu 900AT Sierra Norcal 40a SW-40 49er
Mercury Paddles Emtech ZM-1 MFJ 259 MFJ 941D Matchbox GAP Titan
TNT/2 Windom SLV/W6MMA G5RV Timewave 599zx Autek QF-1 RS DSP-40

"Things should be as simple as possible, but no simpler"--A. Einstein

Date: Tue, 13 Jan 1998 21:26:34 -0500
From: Paul Helbert <phelbert@rica.net>
To: ham@w3eax.umd.edu
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [888] Re: What CW tone do you prefer?
Message-ID: <34BC225A.D84F94DD@rica.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Scott,

(Yes I know remember I owe you \$10.00).

Interesting idea and probably right for weak signals with no close
adjacent qrm, though the difference might be overcome by use of the
volume control (turn it up for the lower energy low frequency note).

The value of the lower frequencies is supposed to be for the mental
filter. We separate signals, one at 400 Hz, the other at 300 Hz or 500

Hz better than we do the between 700 Hz and 600 Hz or 800 Hz. In both cases the difference is +/-100 Hz, but the hundred Hz difference is a larger fraction of 400 than it is of 700 and the brain (the theory goes) has an easier time ignoring an unwanted signal when the lower pitch is used.

To test this, turn off your narrow filters. Mine are centered at 700 Hz, so 400 Hz is outside the passband for a 250 Hz filter.

73,

Paul, Wv3j

Date: Tue, 13 Jan 1998 18:37:00 -0500
From: Thomas Isgro <kc8dgu@postoffice.worldnet.att.net>
To: wb7whi@triax.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [889] Re: Opinions on Verticals?
Message-ID: <34BBFA9C.7128@postoffice.worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wayne Barnhart wrote:

> I've noticed on local 10m nets that most
> everyone is the same strength despite their antenna type. Granted their is
> a lot of difference between ground mounted and in the air verticals but a
> 5/8 mounted on top of a house with a few radials to work against is a hot
> antenna and IMHO better than any dipole.

As Len was replying to one of my posts let me jump in here and explain that in my location, with a ground mounted vertical, checking into the local net is a nightmare. Most everyone else is using beams and my ground mounted vertical antenna is anything but in the clear. I can barely make contact with anyone outside of 10 or 12 mile of my QTH until they switch to a vertical if available. Cross polarization is a major factor in local communications on 10 meters. I realize a 3 to 4 S-unit increase in signal strength when the net control station switches to his vertical. I got 2 or so s-units better with my dipole (up 20 feet in the trees) against his beam.

It is true however that cross polarization is not an issue on skipping

signals as the polarization does skew with distance.

--

73 de
KI8CZ
Tom Isgro
OHIO

<http://www.qsl.net/ki8cz>

10-X #68364	SCI #1479	QRP-L #945	ARS #203
C.A.T.T #2115	FIST 2360	NORCAL	ARRL

Date: Wed, 14 Jan 1998 09:31:57 EST
From: KB9RPD <KB9RPD@aol.com>
To: qrp-l@Lehigh.EDU
Subject: [890] Tuna Tin (can) radio?
Message-ID: <46df7d72.34bccc5f@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hello again,

I am in search of the tuna tin radio. I saw an article a few months ago about the tuna tin radio and I have not found the plans or any reference to it. Has anyone heard of this QRP radio? Has anyone tried to build it? If I remember right, it was a radio which plans appeared in a magazine article in the 1980's.

Thanks

73,Ted KB9RPD

Date: Wed, 14 Jan 1998 22:37:30 +0800
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
To: ham@w3eax.umd.edu
Subject: [891] Re: What CW tone do you prefer?
Message-ID: <34bccde5.pandora@pandora.lugs.org.sg>

On Wed, 14 Jan 1998 08:51:38 -0500 (EST), "Scott Rosenfeld [NF3I]"
<ham@w3eax.umd.edu> wrote:

```
> Tone      Period          Waves per "dit"
> 200 Hz 5 mS period      6.25
> 400 Hz 2.5 mS period    12.5
> 600 Hz 1.67 mS period   18.7
> 800 Hz 1.25 mS period   25.0
>
> So what does this mean? If it takes YOUR eardrum/hammer/anvil/stirrup and
> brain more waves to determine the presence of a tone, it MIGHT not happen
> at lower pitches.
```

Good analysis Scott, but think about this, for a higher frequency, the response time required would be higher. For someone who's hearing setup cannot respond as quickly, you will end up with distorted waveforms, I suppose pretty much like putting a large capacitor across an audio line. Consequently, the frequency response will peak somewhere and that somewhere may be "low" for some people. It does not, of course, follow that lower is better because, the ear doesn't work that way. It may however, imply that some frequencies are better than others and that may not be determined solely by the analysis which you provided, albeit an excellent one. I suppose the other factors are really too variable to usefully include in an equation. Stuff like ear cavity size, length of ear channel, eustacian tube, size of hammer/anvil/stirrup, all make the ear like a complex filter network.

Enough rambling :-)) Thanks anyway. I thought the idea was cool!

73 de 9V1ZV Daniel

```
--
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                 |
+-----+-----+
--
+-----+-----+
| Daniel Wee | daniel@pandora.lugs.org.sg |
| 9V1ZV      |                               |
| QRP-L #667 | 9V1ZV@amsat.org                 |
+-----+-----+
```

Date: Wed, 14 Jan 1998 06:46:42 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [892] Re: What CW tone do you prefer?
Message-ID: <Pine.SUN.3.90.980114064445.25834B-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Daniel,

I find that I change the sidetone pitch often. Love having a knob on the front panel for that.

If I keep the pitch the same all the time it seems like it starts becoming hard to hear. Like all the dots and dashes begin to run together!

And yes, my hearing is kinda bad if that has anything to do with it!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 14 Jan 1998 09:48:16 EST
From: K5BDZ <K5BDZ@aol.com>
To: kc8dgu@postoffice.worldnet.att.net, qrp-l@Lehigh.EDU
Subject: [893] Re: Opinions on Verticals?
Message-ID: <683b1956.34bcd032@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Thomas

Are we talking cross polarization here on 10 meters, or are we talking ground wave effects? Ground wave on 10 meers for local contacts is much better realized when using a vertical....etc.

Bill, K5BDZ

Date: Wed, 14 Jan 98 09:47:33 PST
From: gregoire@endor.com
To: Low power amateur radio discussion <qrp-l@Lehigh.EDU>
Subject: [894] RE: antennas in trees
Message-ID: <Chameleon.980114095221.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=us-ascii

<<Hi All,
Why not just climb the pine trees? That's what I did. My dipole is up
there about 45 feet in a couple of pine trees.>>

Dearly beloved, we are gathered here today
to pay respects to our dearly departed friend Arnold,
a fine ham radio operator,
who fell 45 feet to the ground while putting an antenna
in a pine tree.

de AA1IK, Time the accursed enemy of man,
 cursed youth for going to slow
Ernie Gregoire and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/14/98 09:47:34

Date: Wed, 14 Jan 1998 07:39:37 -0600
From: ab5uacw@juno.com (Clifton W Sikes)

To: qrp-1@Lehigh.EDU
Subject: [895] Fox
Message-ID: <19980114.074135.6734.4.ab5uacw@juno.com>

Bob and the group,

Sorry for making a duplicate contact last night. The entire time I was sending my info on the first one, there was another station in there with me. Wasn't at all sure if it was good. I waited untill late in the game and tried again. Sorry to have taken two spots!

Some of the hunters still don't grasp the idea of one or two calls. I heard one person call 4, 5 and 6 times. A lot of those were when Bob asked for a repeat of the name or number. Please, guys, don't call if all you hear is a question mark. I know that we all do it by mistake, but repeatedly? For over an hour?

Thanks Bob,

Clif

Date: Wed, 14 Jan 1998 09:02:33 -0600
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L <qrp-1@Lehigh.EDU>
Subject: [896] Centennial 20 meter help
Message-ID: <34BCD389.83948517@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

All,

not sure whether anyone has actually got a 20 meter centennial working. Mine his about completely wired.

The directions say wire up a number of things. I know this might be stupid, but there is a whole labeled 12v transmit, I wired it, where does the other end go?

Also will a ten tec or astatic mike work. How do you go about wiring the mike jack and plug (think there might be a mike, and ground and then a PTT?) what order do they get wired to the mike

Help will be greatly appreciated.

— —

```
On 14-Jan-98 doug hauff typed:
>NEWS FLASH      NEWS FLASH      NEWS FLASH      NEWS FLASH      NEWS FLASH
>
>THEY'RE DONE!!  THEY'RE DONE! SHIPPING DAILY!  SHIPPING COMPLETE FRIDAY!!!
>EXTRAS IN STOCK!!!  HEATSINKS ON CNC TOMORROW!!!  RAINBOW ENCLOSURE IN
>PROTOTYPE!
>YIKES! AMMMMMMMMAAAAAAAAAAAAAAZING!!
```

AH! Can the Rainbow Tuner Enclosures be far behind????

Date: Wed, 14 Jan 1998 07:06:02 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: gregoire@endor.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [898] RE: antennas in trees
Message-ID: <Pine.SUN.3.90.980114070157.25834C-1000000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 14 Jan 1998 gregoire@endor.com wrote:

>> Why not just climb the pine trees?

> Dearly beloved, we are gathered here today

> *****lots sniped*****

It's those assult trees I tell ya! It's time El Klinton put
out a ban on those thnings.....nothing over 10'.....no trees
with repeating branches.....no more than 10cc of sap in any
one place....must show sporting connection.....

: -)

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 14 Jan 1998 09:06:39 -0600
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [899] Small Wonders GM-30 for sale
Message-ID: <34BCD47F.7B2AAEE9@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

I have the following built, tested. It is in a heavy duty case with a
built in speaker. \$85 shipped US.

A commercial-quality printed-circuit board

- Dimensions- 3.50 x 5.00"
- Double-sided with masks, component legend

Improved crystal filtering.

More audio- an LM-380 audio final provides speaker drive levels

More output power- 2.5 watts on 20 Meters

On-board RIT

No jumpers

All controls connect through .100" gold-plated headers.

The kit provides pre-assembled connector harnesses.

Extended frequency coverage- 80-100 Khz

A Heterodyne Local Oscillator (LO).

Only minor changes are necessary to put the Green Mountain on any of the high bands.

Like the SW-40 series, the Green Mountain uses only top-quality new parts. You won't have to struggle with "surplus specials" that don't fit on the circuit board!.

--

Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

Date: Wed, 14 Jan 1998 07:11:40 -8
From: "Dan Hogan" <dhhogan@lightside.com>
To: qrp-l@Lehigh.EDU
Subject: [900] RF Choke Identification
Message-ID: <199801141510.HAA03600@mail.lightside.com>

Is the identification for RF Chokes (non-toroid) the same as resistors? Where can I find a reference? Tried the Handbook and the Data Book, didn't see any.

Dan Hogan WA6PBY
ARRL-VE*QRP-L*QRP-ARCI*NorCal*CQC*Fists*G-QRP*ARS*

Date: Wed, 14 Jan 1998 10:39:50 -0500
From: "Ed Pacyna" <pacyna@worldnet.att.net>
To: <zlau@arrl.org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [901] Re: Low Noise HF Amps?
Message-ID: <19980114153948.AAA551@default>

The IF amplifier that immediately follows a mixer having conversion loss is important in modern approaches to linear receiver front end design.

When mixers are used directly on the incoming RF signals (w/o pre-amplification), the IF amplifier should have a low noise figure, high intercept point and a constant (broadband) input impedance.

An example of a 9MHz IF amplifier with .6dB NF, 50 ohm Z, +28dBm 3rd order intercept and AGC control was published in the Winter 1996 issue of Communications Quarterly (pg.96).

Best Regards,

Ed, W1AAZ

>From: Zack Lau <zlau@arrl.org>

>One of the benefits of working on true amateur projects
>is that you don't need a justification for spending
>lots of time and money on something :-)
>Zack W1VT
>
>

Date: Wed, 14 Jan 1998 11:12:27 -0500
From: "Buck, Preston D" <BuckPD@corning.com>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [902] FOX: N/T Fox Thursday night
Message-ID: <6B137F61081DD0118DF600805FEAC5C5C8EBFD@SILVER.CORNING.COM>
Content-Return: allowed
Mime-Version: 1.0
Content-Type: text/plain

Greetings All,

Just a reminder that I will be the N/T fox this thursday night from 1900-2100 Eastern Time (16 Jan 98 0000-0200 UTC). I won't quit at 2100 if the bands are still open and I am making contacts.

I will start around 7.14 MHz and 10 wpm and shift from there depending on QRM, etc. I will be running 5W into a G5RV at 20' center using my

Y757GX.

BTW, I fired up supermorse a few nights ago and took its general code exam. While I did not copy 100%, I did copy enough to pass 7 of 10 questions! As one who has been a Tech+ for 12 years or so because of difficulty with the code, that is exciting. All I need is to keep working on it and find some VE's to give me an exam and I will UPGRADE!

So listen for me Thursday night and help me improve my code skills.

73

Preston, n0g1m

Date: Wed, 14 Jan 98 11:18:02 PST
From: gregoire@endor.com
To: Low power amateur radio discussion <qrp-1@Lehigh.EDU>
Subject: [903] FW: RE: What CW tone do you prefer?
Message-ID: <Chameleon.980114111841.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

-----Original Message-----
Hello Daniel,

I have been switching between 800 and 750.
I'm trying to use 800 at the moment.

I am partially deaf, and have a constant ringing
in my ears. Usually the ringing is very high in
pitch so a lower tone is good for me to listen too.

I used the 750 for a long time and found it pleasant
to listen to. Now the 800 seems better.

Perhaps this is due to a change in my hearing?

When listening to (Phone) mode, I attenuate the low
frequencies and amplify the 1KHz. tone I also leave
the high pitch 3KHz to 10 KHz in the normal position
on the equalizer.

Single tones of higher pitch are easier to pick out for me,
however, the 800 Hz pitch is good for easy listening for
a longer period of time.

de AA1IK, Time the accursed enemy of man,
 cursed youth for going to slow
Ernie Gregoire and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/14/98 10:59:17

-----End of Original Message-----

de AA1IK, Time the accursed enemy of man,
 cursed youth for going to slow
Ernie Gregoire and by the old for going to fast.

R.R. 1, Box 221,
South Rd. Fists # 2644, ARCI # 9500
Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
 Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/14/98 11:18:02

Date: Wed, 14 Jan 1998 09:18:53 -0800
From: Brian Kassel <bkassel@dancris.com>
To: kd1jv@moose.ncia.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [904] Re: Huff and Puff, Mk. 2
Message-ID: <34BCF37D.1936@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Steven Weber wrote:

>
> >Has anybody else had a go at building G3DXZ's latest Huff and
> >Puff implementation from the December RadCom? After ordering
>
> Sure would like to see a copy of this device, any chance someone could post
> me a copy? Many thanks if you could.

I also would like to see this circuit. I built the very first version
back in the late 70's, and it performed very well.

Also, how can a person get hold of a copy of RadCom?

I've never seen a copy locally at any of the large bookstores.

Do they have a WWW site?

--

Brian Kassel W5VBO

ARCI # 3623

Phoenix AZ ScQRPions

Date: Wed, 14 Jan 1998 11:17:25 EST
From: kh6b@juno.com (Dean W Manley)
To: cjl@mail09.mitre.org, qrp-l@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [905] Winter 1997 QRPP and Pixie 2
Message-ID: <19980114.061858.5391.1.kh6b@juno.com>

Hello Charles and Group:

Received QRPP Monday but no QQ yet.

The Winter issue of QRPP is great and bigger too.

Thanks to Doug and Paul and everyone who make
it possible.

Re: article on pp 74-75, "Adding Sidetone & Receive
Offset to the Pixie, the TiCK Way". Is there a possible
error in the schematic? Should there be a ground
connection at the emitter of Q4-electronic switch?

I wasn't sure how to add sidetone and the offset to my
Pixie 2. Now I know. Thanks.

73 and Aloha, Dean Manley KH6B

ARRL Life Member, HI Chapter QCWA,

ARCI 6257, QRP-L 1032, HI-QRP 1, AK-QRP 339,

NorCal 1928, NW QRP 470, OOTC 3642

kh6b@juno.com

VTI / W9SAL

Date: Wed, 14 Jan 1998 09:27:48 -0700
From: ji3m@maxwell.com (James R. Duffey)
To: Zack Lau <zlau@arrl.org>
Cc: qrp-1@Lehigh.EDU
Subject: [906] < 1dB Noise Figure HF Amplifiers
Message-ID: <v0213050ab0e2859b758d@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Zack - I read your post and am curious as to what application you would have for a < 1 dB noise figure amplifier at HF ?? Is it for terrestrial RF applications? It seems to me that a 1 or 2 dB noise figure front end is adequate even for the most demanding HF work I know about; Mode A Satellite work on 10M. You have piqued my curiosity though.

I am aware of and have used low noise (0.5 dB or so as I recall) amplifiers in the past at about 1MHz, however they were cooled to LN2 temperatures and used for amplification of an IR detector in an electrooptical sensor. I don't think that is what you want. :^)

I am sure you know more about this than I do, but the low noise GaAs devices common for low noise VHF work have a "bathtub" shaped noise curve. They generally show a sharp rise in noise voltage with decreasing frequency below 100 MHz or so. They are optimized for TV and personal communication use. Silicon devices are probably a better choice below 100 MHz.

When I worked at Hughes there was a lore built up over the years concerning several "magic" low noise devices. One of the senior engineers had a "stock" of Germanium JFETs that were built in the early to mid 60s by TI that were very low noise. He claimed they were better than anything made to that time and kept them locked in his desk drawer and only doled them out to people he liked. Like candy to starving children. This was in the mid 80s and GaAs devices were just starting to become available at reasonable prices and good performance. Still many of the engineers spoke of these Ge parts with reverence, and the one I saw in use was very good. Germanium has its own set of reliability problems which is why they aren't readily available anymore.

The Siliconix U310 JFET was also highly regarded as a low noise device. Some lots were better than others and when electronic stores got in a new shipment from the distributor word would spread and some of the engineers would swoop down on stores and obtain all they had available. The techs then would be set to work measuring noise figures and input capacitances. They would keep the best and return the rest to stores. Siliconix caught on

to this, realized that there was a good market in selected parts and started screening them before shipping. They would ship the best parts as "preferred" and relabel them as U311 or something. I think they charged more too :^).

The U310 is a nice part to use in a common gate circuit. As I recall the grounded gate input impedance is 50 or 70 Ohms which makes input and output matching easy. The J310 is a plastic equivalent which is not always stable at VHF, but should be ok at HF. I think that the J310 is probably a better choice at HF than the commonly used MPF102s. I think they are still available as I see them in price lists from time to time.

A cascode circuit using two U310s makes a nice high gain low noise amplifier, as is a cascode circuit implemented with a dual gate MOSFET. The MOSFETs tend to be noisier at low frequencies than do the JFETs, but I have used one for Mode A satellite work that worked well. Up until a few years ago, The Handbook used to have a set of circuits for both MOSFET and GaAs preamplifiers from 28 MHz to 432 MHz. As I recall the noise performance was essentially similar for the two devices through 6M, and not much difference at 2M. Above that the GaAs really was superior.

Well this is longer than I expected it to be, but I am really curious as to what use you are envisioning for that 0.2 dB noise figure 160 M preamp :^)
- Duffey KK6MC/5

James R. Duffey (505) 764-3143
Principal Scientist (505) 843-7995 (FAX)
Maxwell Technologies Inc/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

Date: Wed, 14 Jan 98 11:22:20 PST
From: gregoire@endor.com
To: ku7y@sage.dri.edu, Low power amateur radio discussion <qrp-1@Lehigh.EDU>
Subject: [907] Re: What CW tone do you prefer?
Message-ID: <Chameleon.980114112819.GREGOIRE@Gregoire.endor.com>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; CHARSET=US-ASCII

Hello Ron, and Gang,

Daniel's question is an interesting one .

I remember talking to an ex-sonar man about this.
He corroborates what Ron says.

The same pitch heard over and over again causes
tone deafness or at least tone insensitivity at
that particular frequency. Sonar techs. would
turn up the volume to get better definition
as time went on because they were no longer
able to detect shift in the tone.

After a while they could not even hear as well
(at that frequency) if they pulled long duty
at the console.

de AA1IK,	Time the accursed enemy of man,
Ernie Gregoire	cursed youth for going to slow and by the old for going to fast.

R.R. 1, Box 221,	
South Rd.	Fists # 2644, ARCI # 9500
Canaan, NH. 03741	QRP-L # 95, Fly fisher & tier, Promise Keeper.

E-mail address: gregoire@endor.com

packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA

01/14/98 11:22:20

Date: Wed, 14 Jan 1998 16:36:26 +0000
From: Wayne Dillon <w.dillon@ic.ac.uk>
To: bkassel@dancris.com
Cc: qrp-l@Lehigh.EDU
Subject: [908] Re: Huff and Puff, Mk. 2

Message-ID: <3.0.3.32.19980114163626.009c55d0@mism.ad.ic.ac.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Brian and Steve

You won't find radcom on the bookstalls, it's by subscription only, the subs are the membership subs for the RSGB, the magazine comes free to members.

Yes the RSGB has a web site:

<http://www.rsgb.org.uk>

You may order via the Internet via credit card and back issues are available. I hope this answers your questions.

72/3 de Wayne - G0JJQ G-QRP-5233

At 09:18 14/01/98 -0800, you wrote:

>Steven Weber wrote:

>>

>> >Has anybody else had a go at building G3DXZ's latest Huff and

>> >Puff implementation from the December RadCom? After ordering

>>

>> Sure would like to see a copy of this device, any chance someone could post
>> me a copy? Many thanks if you could.

>

>I also would like to see this circuit. I built the very first version
>back in the late 70's, and it performed very well.

>Also, how can a person get hold of a copy of RadCom?

>I've never seen a copy locally at any of the large bookstores.

>Do they have a WWW site?

>

>--

>Brian Kassel W5VBO

>ARCI # 3623

>Phoenix AZ ScQRPions

>

>

>

Wayne S. Dillon

Maintenance Co-Ordinator

Room 129 Huxley building

Imperial College of Science, Technology and Medicine.
Exhibition Road
London
SW7 2AZ

Tel: 0171 594 9030
Fax: 0171 594 8930
E-Mail w.dillon@ic.ac.uk

Date: Wed, 14 Jan 1998 11:53:32 EST
From: SKIP NC90 <SKIPNC90@aol.com>
To: cebik@utkux.utcc.utk.edu, qrp-1@Lehigh.EDU
Subject: [909] Re: openwire feeders
Message-ID: <4cb5d595.34bcd8f@aol.com>
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi QRPers,

I wrote a simple program for a scientific
computer/calculator I have to do just that.

The equation is: $Z=276 \cdot \log(S/D)$

where:

Z is the impedance in ohms

S is the spacing in inches

D is the wire/conductor diameter in inches

I have used this to calculate the impedance
for open wire feeders to use the wire I have
on hand.

I just love those old transformers from
old AM radio and TV audio and power supplies.
Lots of wire antennas in them.

73 De Skip NC90

Date: Wed, 14 Jan 1998 09:44:02 -0800
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: qrp-1@Lehigh.EDU
Subject: [910] Error in Tick-Pixie Article
Message-ID: <3.0.1.32.19980114094402.00cacb08@dpol.k12.ca.us>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Guys, Dean Manley is sure one sharp individual. He spotted an error in the article on the TiCK/Pixie article in the latest QRPP.

Re: article on pp 74-75, "Adding Sidetone & Receive Offset to the Pixie, the TiCK Way". Is there a possible error in the schematic? Should there be a ground connection at the emitter of Q4-electronic switch? I wasn't sure how to add sidetone and the offset to my Pixie 2. Now I know. Thanks.

Yes Dean you are correct. I left off the ground when I redrew the circuit in my Cad program for the printer. But there is more to the story. Chuck Ludinsky, the author of the article posted to the list about 2 or 3 months ago that he had added sidetone to the Pixie using a TiCK keyer chip. I lurk in the background always alert for any hint of an article on the list. I jumped on this one, sent Chuck an email and asked him to submit an article. He very graciously sent me the article and the schematic (correctly drawn). I screwed up and left off a ground connection on the emitter of Q4.

The way that I found out about is interesting too. I liked the idea so much that I sent a copy of the article to Brad and Gary of Embedded Research, and strongly suggested that they develop and sell a circuit board. It would be a natural addition to their line of kits. Plus, with the new beacon TiCK chip, a great way to make use of that feature. Gary liked the idea and built the circuit ugly style to check it out. It didn't work. He took it in to Brad, and he found the missing ground. Fixed it, and voila, it worked. Neat. Brad emailed me about the mistake, but it was after I sent the proofs to Paul. I emailed Paul and asked if he had printed those pages. No, he hadn't, and I had caught him in time. Paul said that he could add the ground symbol to the plate. Which he did. He started to print the pages, and because of the extremely cold weather, the ink wouldn't print right, and the pages were not acceptable. About this time, I call Paul on the phone. We talk for a hour or so, and then Paul goes home, forgetting to clean up the plate. Plate is ruined. Paul has to make another one. He does, but forgets to add the ground symbol. He is trying to get the issue out on time, and just forgets. That is how the ground symbol got dropped. Sorry about the oversight. But because of the power of the internet, now you know the "Rest of the Story", (sorry about that Paul Harvey).

The exciting news is that Gary and Brad have developed a circuit board, and they have a great name for it. I will let them tell you the details. Stay tuned, for an exciting announcement concerning a board for the article in the latest QRPP from Gary and Brad. 72, Doug, KI6DS

Date: Wed, 14 Jan 1998 10:09:56 -0800
From: Jerry Parker <jparker@fix.net>
To: qrp-1@Lehigh.EDU
Subject: [911] 38 Special help.
Message-ID: <2.2.32.19980114180956.0075b1f8@fix.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

How about helping Mark out.

Reply-To: marklori@visuallink.com

Thanks,,,Jerry...K

>Date: Tue, 13 Jan 1998 22:39:42 -0800
>From: Mark Kesner <marklori@visuallink.com>
>Reply-To: marklori@visuallink.com
>To: jparker@fix.net
>Subject: 38 Special help.

>
>I built the 38 Special and think it is a fun little rig. I added the 5
>watt mod (yes, the updated one) and started experiencing problems. The
>rig will start to make loud noises in the phones and on tx the signal
>gets VERY rough. It seems as though it is going into an oscillation.
>Sometimes I can make it stop by grabbing the antenna connector with my
>hand. Also having my hand in close proximity to the rig will make the
>problem start. (capacitance?)
>I am still learning about kit building and this was the most challenging
>one I had undertaken to this date. It SEEMED simple enough, but I
>probably screwed something up. I don't know if anyone could give me a
>clue as to what MIGHT be the problem or not, but I figured it was worth
>a try. By the way, the rig only puts out about 3 watts. I have tried
>more than one final transistor with the same result. (Except that I
>screwed up the plated hole trying to de-solder the first one.) Any
>pointers would be appreciated.

Tnx & 72,

Mark KC4GIA

>
>
>

Date: 14 Jan 1998 12:04:08 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@Lehigh.EDU
Subject: [912] for Larry Wise, Georgetown
Message-ID: <n1327343035.32212@msmailgw1.arlut.utexas.edu>

Excuse the BW.

Larry,
Can't find a phone no. for you. Have parts for you, and can deliver in Austin, Round Rock, or Georgetown.
72, Stuart K5KVH
rohre@arlut.utexas.edu

Date: Wed, 14 Jan 1998 11:22:35 -0700
From: ji3m@maxwell.com (James R. Duffey)
To: qrp-l@Lehigh.EDU
Subject: [913] Best Tone for Copying CW
Message-ID: <v0213050cb0e2ae26fc68@[192.31.66.158]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There was a short blurb on this subject in the Technical Topics column in RadComm several years ago. Someone (a Physcologist?) had done a study at a "rally" (hamfest to us yanks).

They tested a number of "subjects" (Hams) with differing CW abilities and experience. Prior to testing the "subjects" were asked to write down at what tone they liked to copy CW. The subjects were then tested by letting them copy CW at various speeds and interference conditions. The subject could vary the tone to his/her preference during the tests.

I don't have the article with me now, but the results I recall were quite interesting;

a) I think the preferred tone was near 600 Hz, with a wider spread up than down.

b) Nearly everybody set the oscillator below the tone they said they preferred to copy. The exception was a musician who copied exactly at the tone he said he preferred.

c) More experienced CW ops generally preferred a lower tone than those with less experience.

d) Most preferred lower tones in the presence of interference.

Maybe a "G" reader can look up the original article and correct me.

I find I prefer a rather low tone, 550Hz, but I do vary the pitch control from about 450 Hz to 600 Hz. I have an old SB110 with a high pitched sidetone (1kHz?) that drives me crazy. - Duffey KK6MC/5

James R. Duffey (505) 764-3143
Principal Scientist (505) 843-7995 (FAX)
Maxwell Technologies Inc/Albuquerque Division
Suite 300
2501 Yale Blvd SE
Albuquerque, NM 87106

Date: Wed, 14 Jan 98 10:43:42 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [914] Re: phased verticals
Message-ID: <9801141743.AA04222@rgfn.epcc.Edu>

I forgot to mention on my last post that the networks discussed can be used with loops, dipoles, etc. I have not used them with dissimilar antennas so I can't comment as to how they would work with something like that. However, with like antennas, verticals or inverted v dipoles, I find there is very little to compare with the ability to completely null a station into the noise at 25 or 30 db, then switch to the opposite direction and find the same head and shoulders above others not in line with the antenna. Do keep in mind that the forward pattern is very, VERY broad compared to a yagi.

73 Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (Far West Texas)
(also: v31xe@dzn.com)

Date: Wed, 14 Jan 98 10:37:25 MST
From: af852@rgfn.epcc.Edu (William R Colbert)
To: qrp-1@Lehigh.EDU
Subject: [915] re: phased verticals
Message-ID: <9801141737.AA03420@rgfn.epcc.Edu>

I have operated with phased verticals, both multiband and single band for the past 30 years with good results. For Foxy's question - I have used spacings of 1/8 to 1/2 wavelength with varying results. You can find pattern drawings from very small spacings to over 1 wavelength with varying amounts of phasing in Antennas - edited by Jasik, and in 73 Vertical antennas by Ed Noll. In addition, some patterns are in the classic vertical antenna handbook by Paul Lee - N6PL. For those that asked about the phase network, I found that Lee's Ohms Law network as described in his book was the best for me. It provided up to near 30 db f/b and substantial forward gain at a low angle. I think the forward gain in the neighborhood of 3 db and maybe approaching 4 to 5 db in the broadside configuration. The network uses a power divider setup as well as the phasing and directional switching which is for unidirection (for me NE/SW and broadside for NW/SE bidirectional). There has

numerous articles on phased arrays using resistors, networks (fixed) and coax. Most of these limit the antenna to a fixed frequency for the optimum performance. For the multiband or multifrequency uses, I use the Ohms Law network or a simple l/c network with a 3p3t switch for the directional switching. Spacing I chose was 23 feet (30 meters) which is quite good for 40, 20 and 17. It is still workable on 80 but basically a gain omni antenna. One final comment about drawings; Jerry Swank, W8HXR (SK) used to write about phased arrays, verticals, dipoles, slopers, and had in 73 magazine in the late 70's or early 80's (just after they went large page format) a two part article called "Novice Guide to Phased Arrays". It shows various configurations, spacing and phasing patterns for .125 spacing to 1.0 and phasing from 0 deg to 180 deg. Hope the comments are helpful to those contemplating such a system. Oh yes, if the system is remoted - hard to adjust for the maximum f/b at a particular frequency. Simply bring the feeders-exact equal lengths into the shack to the network and then twiddle the capacitors for best results.

73 Ray

--

Ray Colbert, W5XE
00TC 3618, SOWP 1064M

El Paso, Tx (Far West Texas)
(also: v31xe@dzdn.com)

Date: Wed, 14 Jan 1998 13:19:27 -0600 (CST)
From: Bill Down <ve5hq@gpfn.sk.ca>
To: LIST <qrp-l@Lehigh.EDU>
Subject: [916] Test
Message-ID: <Pine.SOL.3.91.980114131540.7185A-100000@GPFN1.GPFN.SK.CA>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Test only...please ignore.

1 2 3 4 5
2 3 4 5
3 4 5
4 5
5

Thank you for ignoring this test.

Date: Wed, 14 Jan 1998 14:37:29 -0500
From: Tom Morgan <liveoak@sccoast.net>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [917] Re: VFO frequency
Message-ID: <01BD20FA.28AA3C80.liveoak@sccoast.net>

Mike,

I just finished the same NW80/20 kit for 30 meters & had similar problems with the VFO range. I tried compressing the turns on the toroid, but I wound the coil a little too tight to adjust much. It wasn't resolved until I added 1 additional turn. That fixed it right up.

The frequency range on the 30 meter version is 35 KHz - I believe that its specified on the spec sheet. This seems pretty narrow, but it works out OK. I set the lower limit at 10.100, which made the upper edge at 10.135, which covers the majority of the activity on the band.

by the way, be sure to refer to the post by Leonard Barish about the impedance mismatch on the audio filter - it fixes the keying problem with the filter on. Also, I set up my audio filter for max. gain. I may have a little ringing, but boy does it ever pick up a weak sig!

72/73 & Good Luck,

Tom AF4HL

Date: Wed, 14 Jan 1998 11:40:46 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [918] Urgent transformer help needed!
Message-ID: <34BD14BE.4A2E8CA3@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Not exactly QRP, but you guys always come through!

I need an isolated source of 120v at 100 ma. from a 220v line. Most of the stepdown transformers available are autoformers and so not isolated, and transformers with 220v primaries are rare around here. Is there a reason why I should not use a 120v to 220v 50 ma. transformer backwards?

Help, I need to fix this quick!

Vic K2VCO

Date: Wed, 14 Jan 1998 19:43:04 +0000
From: Ed Loranger <we6w@qsl.net>
To: rakefet@rakefet.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [919] Re: Urgent transformer help needed!
Message-ID: <34BD1548.3C66@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Pin=Pout; So 220V @ 50ma=110V @ 100 ma

Go for it! Use that transformer backwards. Of course, backwards is relative.

-Ed

Vic Rosenthal wrote:

>
> Not exactly QRP, but you guys always come through!
>
> I need an isolated source of 120v at 100 ma. from a 220v line. Most of
> the stepdown transformers available are autoformers and so not isolated,
> and transformers with 220v primaries are rare around here. Is there a
> reason why I should not use a 120v to 220v 50 ma. transformer backwards?
>
> Help, I need to fix this quick!
>
> Vic K2VCO

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 14 Jan 1998 14:58:30 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-l@Lehigh.EDU
Subject: [920] Re: phased verticals
Message-ID: <199801141958.0AA297942@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Group,

Just another data point on phased verticals....

As a teenager I was strapped for cash and wanted a dx antenna for 40.
I had used a dipole and found it fine for domestic ragchewing, but
I wanted dx! And no dx wants to work a weak station from the "2" area.

Inspired by a QST article I made up a vertical made of beer... errr...
beverage cans soldered together end to end. It worked pretty well!

Wanting some added gain and interference reduction, I built a triangular
array of three verticals with switched coax phasing lines. This gave me
a pattern switchable in six directions around a circle with a broad forward
beam and a null to the rear.

Managed to snag about 40 countries on 40 cw with 35 watts in (probably no
more than 20 out) and a handful of crystals. Even got all continents

thanks to a VK early one morning.

Gotta say that was the best 40 meter dx antenna I ever had!

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Wed, 14 Jan 1998 19:59:57 +0000
From: Ed Loranger <we6w@qsl.net>
To: ki7mn@dancris.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [921] Re: FOX Log Tuesday
Message-ID: <34BD193D.312F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

TIME	CALL	RST	STATE	NAME	NUMBER
100	WE6W	559	CA	ED	1068

Numero Uno, The main man, big Cheese, Head hauncho,
Big kahuna, Supreme leader,

And my dance continued for 10 minutes in my garage.
My XYL even circled the received info and drew
a little target on it.

Yup, excitement was very high. I was about 500 hz
below Bob too. I heard his call and jumped in.
Sent the 559, but after zerobeat later, 599
BIG TIME into CA! Later the band fell....

Even had time to QNI the Arkansas QRP net! WaHooo!

If getting the fox is good, try getting the
fox FIRST!

Be still, my heart.

Somehow Bertie got #2. I think someone needs to treat

his xyl to the movie Titanic. (I am buying the laserdisc when it comes out!)

Hee, hee. Tks Bob.

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 14 Jan 1998 13:47:03 -0600
From: "Stuart B.D. Hunt" <stuart001@ameritech.net>
To: kd7s@psnw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [922] Re: Spud-Pistol Maybe?
Message-ID: <34BD1637.17DDB71@ameritech.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill Jones wrote:

>
> Friends,
>
> Having followed the latest Spud Gun Antenna Launcher thread, I have to
> wonder if a scaled down version might be more practical. A device that
> can propel a potato at 190 mph for a distance of 100 yards is certainly
> overkill for antenna work. Has anyone attempted to build a "baby" spud
> gun (or spud pistol)? Wouldn't that be better from the ham's
> standpoint?

I agree ... and perhaps use "new" potatoes or radishes (beets?) so that it won't actually use foodstuffs. Would make a great project to introduce at Dayton!

Stu KB9NAE QRP-1 1222

Date: Wed, 14 Jan 1998 12:22:37 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [923] Re: Urgent transformer help needed!
Message-ID: <34BD1E8D.88786C3A@rakefet.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to everyone who replied, telling me that it is cool to use a 120/220 v transformer backwards. You guys are great, and I'm very appreciative!

Vic K2VCO

Date: Wed, 14 Jan 1998 14:19:56 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: n4bp@bc.seflin.org
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [924] Re: What CW tone do you prefer?
Message-ID: <34BD1DEC.56175ECD@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Old "Green Box" Heathkits (SB-400, 401, 100, 101, etc.) were set up for 1000 hz fixed frequency. My IC-765 is set for 700 hz sidetone frequency although the CW offset is panel-adjustable. Collins and Drake were adjustable to whatever the operator preferred.

Bob Patten wrote:

>
> On Wed, 14 Jan 1998, W. Daniel, 9V1ZV wrote:
> >
> > I am just wondering what frequency is preferred for the CW sidetone. I
> > know that most people use either 800Hz or 750Hz but are there those who use
> > higher or lower frequencies? Is there some kind of consensus as to which is
> > a better sidetone frequency and why? Thanks.
> I've read of studies on the subject. Seems lower freqs are better since
> it is much easier to discern between slightly different tones. My IC-706
> is set for 600 cycles and my FT-1000MP for something between 500-600 cy...
> Works for me.

>
> 73,
>
> Bob Patten, N4BP (0 0) Plantation, FL
> -----o00o-()-o00-----
>
> E-Mail: n4bp@bc.seflin.org
> Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
> Brass Pounder BBS: (954) 472-7715

--

73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Wed, 14 Jan 1998 14:12:32 CST
From: dannyayers@juno.com (Danny K Ayers)
To: qrp-l@Lehigh.EDU
Subject: [925] Ten-Tec Rig Info
Message-ID: <19980114.143117.10518.0.dannyayers@juno.com>

Hello All,

Anyone know of a web page or other reference with info/specs/pics of the various older Ten-Tec QRP rigs I see advertised FS here on QRP-L?

72/73,

Danny -WX4P
Huntsville, AL

Date: Wed, 14 Jan 1998 15:38:05 -0500 (EST)
From: n4js@pobox.com
To: qrp-l@Lehigh.EDU
Subject: [926] GAP up!
Message-ID: <XFMail.980114153805.n4js@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 8bit
MIME-Version: 1.0

After all the great comments here, I decided to go for the GAP Eagle, as I didn't need another 80M antenna, and didn't really want guys. Well, I put it up today (in 33 deg wx). The SWR looks good, less than 1.5 on all bands except 15, where it is 2:1. Seems to "hear" well. Is actually quieter than the zepp on 40, which made me think it wasn't working, but signals seem comparable. Will try for some long-haul contacts later for comparisons.

Base is up 12', on the corner of the porch. It is, according to instructions, too close to my tower (about 10') which probably accounts for the SWR on 15.

We'll see how it does. It IS a very rugged antenna.

Sent at 15:38:05 on 14-Jan-98

John L. Sielke n4js@amsat.org n4js@pobox.com
n4js@qsl.net NJ Grid:FM29LN
<http://www.qsl.net/n4js> NJ-QRP #57 QRP-L #884
QRP-ARCI CQC #443 CQrp #50 AKQrp ARQrp
NE-QRP #507 G-QRP #9544 NorCal #1989 QCWA FISTS #2781 ARS #243

Date: Wed, 14 Jan 1998 14:37:35 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: scarylar@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [927] Re: Learn English Before Writing
Message-ID: <34BD220F.9FFD177@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Dear Larry:

Please accept three words of advice:
Don't repeat everything.

larry a netz wrote:

>
> Dear Marcus:
>
> Please accept three words of advice:
> Switch to de-caf.
>

--
73, George
Amateur Radio W5YR
QRP-L #1373
AutoPOWER Systems
Fairview, TX

Date: Wed, 14 Jan 1998 20:26:04 GMT

From: John Fletcher <johnf@innotts.co.uk>
To: ve7ldh@direct.ca
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [928] Re: Huff and Puff, Mk. 2
Message-ID: <199801142026.UAA24268@carlton.innotts.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello Laura,

I built the Huff & Puff VFO from RadCom too. I built it "ugly fashion" on a bit of copper clad board and used a 20 MHz oscillator module which I salvaged from a computer motherboard. I had trouble at first because my varicap, which was a transistor junction, produced too much frequency shift. Once I had corrected this to the amount of shift described by the author, it worked very well. Quite stable for over half an hour. I added the source follower circuit to see what the control voltage was doing. You could keep this circuit attached, and monitor the source voltage with a couple of comparators which would light a High or Low LED if the control voltage came near to the upper or lower limit. This would indicate that it was time to push the Reset button. I don't have a project for this VFO yet but I'm sure I'll be using it before long.

Very 73 de John G4EDX

Date: Wed, 14 Jan 1998 13:40:00 -0700
From: "Ron Smith" <resmith@primenet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [929] Re: FOX Log Tuesday
Message-ID: <014501bd212c\$b4e31320\$0922a5ce@primenet.com.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ok, all you guys who laugh at dumb questions hit the Delete key. Go ahead, I'll wait...

hummmm.... hummm.... hummmmm....

Ok Ed. Now that they are gone, what is the 1068 for?

Thanks es 72

Ron

-----Original Message-----

From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Wednesday, January 14, 1998 1:20 PM
Subject: Re: FOX Log Tuesday

>TIME	CALL	RST	STATE	NAME	NUMBER
>					
>100	WE6W	559	CA	ED	1068

Date: Wed, 14 Jan 1998 13:49:32 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@Lehigh.EDU
Subject: [930] Subscription Info: QRP Journals
Message-ID: <Pine.SOL.3.91.980114114908.19282A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

OK, here's the first crack at this. Listed below is the pertinent info I have access to for ARCI, CQC and NorCal for subscribing to their journals, web address, etc. If you note an error, let me know. I will be adding info for G-QRP/Sprat shortly ... just don't have the new info handy right now. Will keep this around and updated as a sorta quasi-official QRP-L FAQ thingie I'll post occassionally when questions arise or the mood hits me. The intent is for those clubs and journals intended for national/global audience, not local clubs. If I omitted such a journal, let me know and I'll add it.

We forget there are new people on QRP-L all the time not familiar with the dominant journals. With all the recent chatter about QRPP and QQ, missing pages, extra pages, missing grounds and bent corners ... I have received numerous emails inquiring about these journals. So here's the subscription info for those interested. I do recommend subscribing to at least one (if not all) for a diversity of excellent QRP related articles and construction projects.

----- ARCI (Amateur Radio Council International) -----

Journal: QRP QUARTERLY

Format: 8.5x11, 40-64 pages per issue

Editor: Monte Stark, KU7Y (KU7Y@sage.dri.edu)

Subscription: \$15/yr US \$18/yr VE \$20/yr DX

Send to: QRP ARCI

Ken Evans, W4DU (Treasurer)

848 Valbrook Court

Lilburn, GA 30047

>> Indicate whether a new subscription or renewal.

Back Issues: Individual back issues can be purchased (I think \$3 each?)

Contact Danny Gingell K3TKS for info and availability

k3tk@abs.net

WWW HOME PAGE: <http://rtpnet.org/~qrp>

----- CQC (Colorado QRP Club) -----

Journal: The Low Down

Format: 5.5x8.5, 32-36 pages

Editor: Rich High, W0HEP (W0HEP@aol.com)

Subscription: \$15/yr US \$20/yr DX

Send to: Colorado QRP Club

P.O. Box 371883

Denver, CO 80237-1883

Back Issues: Not available

WWW HOME PAGE: www.mtechnologies.com/mthome/CQC.htm

----- NorCal (Northern California QRP Club) -----

Journal: QRPP (Issued quarterly: spring, summer, fall, winter)

Format: 5.5x8.5, 64-84 pages

Editor: Doug Hendricks, KI6DS (KI6DS@telis.org)

Subscription: \$15/yr US and VE \$20/yr DX

Send to: Jim Cates, WA6GER

3241 Eastwood Rd.

Sacramento, CA 95821

>> Make checks payable to Jim Cates, not NorCal, and
indicate whether a new subscription or renewal.

Back Issues: Available in annual bound volumes only (no individual issues)

Specify year. Cost is \$15 per year (except \$10 for 1993) plus

\$3 shipping US, \$5 DX. Send checks to:

Doug Hendricks, KI6DS
862 Frank Avenue
Dos Palos, CA 93620

WWW HOME PAGE: www.fix.net/~jparker/norcal.html

72, Paul NA5N
pharden@nrao.edu

Date: Wed, 14 Jan 1998 14:59:44 -0600
From: "Jeff M. Gold" <JGold@tntech.edu>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [931] SG2020
Message-ID: <34BD2740.9A927761@tntech.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Well, the SGC page still lists the Jan 26th delivery date. This time it might be for real!!! Guess I won't chicken out and cancel mine.

72
Jeff, AC4HF

--
Jeff M. Gold, Manager
Academic Computing Support
Tennessee Technological University
(615)372-3979

Date: Wed, 14 Jan 1998 21:06:40 +0000
From: Ed Loranger <we6w@qsl.net>
To: resmith@primenet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [932] Re: FOX Log Tuesday
Message-ID: <34BD28E0.350F@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

1068 is my QRP-1 number. You have one too Ron.

72 and a quiet exit....

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.

72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR

<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 14 Jan 1998 15:09:27 -0600 (CST)

From: "Phillips Richard" <phillips@msoe.edu>

To: gregoire@endor.com

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>

Subject: [933] RE: antennas in trees

Message-ID: <Pine.OSF.3.96.980114150406.19500A-100000@torres.msoe.edu>

Mime-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I have climbed many trees to put up antennas, mostly on Field Day and also used arrows, sling shots, trailer balls, etc. I have a 60 foot tower in my back yard which I climb on a regular basis. Don't let "Dearly Beloved" scare you just hang on, and use a safety belt and/or safety rope. I think the spud gun theory is the most dangerous method I have observed in this thread. Don't make the spud too tight.

73 Rich

Richard Phillips

Lab Technician

Milwaukee School of Engineering

414-277-7388, phillips@msoe.edu

On Wed, 14 Jan 1998 gregoire@endor.com wrote:

> <<Hi All,

> Why not just climb the pine trees? That's what I did. My dipole is up

> there about 45 feet in a couple of pine trees.>>

>

>

> Dearly beloved, we are gathered here today

> to pay respects to our dearly departed friend Arnold,

> a fine ham radio operator,

> who fell 45 feet to the ground while putting an antenna

> in a pine tree.

>

>

>

>
> de AA1IK, Time the accursed enemy of man,
> cursed youth for going to slow
> Ernie Gregoire and by the old for going to fast.
>
> R.R. 1, Box 221,
> South Rd. Fists # 2644, ARCI # 9500
> Canaan, NH. 03741 QRP-L # 95, Fly fisher & tier,
> Promise Keeper.
>
> E-mail address: gregoire@endor.com
>
> packet address: AA1IK@WA1WOK.FN43FE.NH.USA.NA
>
> -----
> 01/14/98 09:47:34
>
>
>

Date: Wed, 14 Jan 1998 21:27:58 +0000
From: ea8yu Goran <rodriguez@jet.es>
To: JkHampton@aol.com, qrp-l@Lehigh.EDU
Subject: [934] Re: RG174U as feed line
Message-ID: <1.5.4.32.19980114212758.0066d8c0@jet.es>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hello,

I have been using RG174 as portable feedline for years and I am very happy about the results! I would not like to carry 100 feet feedline with me when backpacking. My standard length is 8 meters which normally is enough to reach down into the tent (usually I use a fishingpole as a support for an inverted vee, but also tree-hung dipoles). For 80 meters dipoles I use 15 meters as the size of the dipole sometimes makes problems in reaching the tent.

Assuming that you dont run the cable as a tuned feedline but with a reasonable matched antenna , say SWR <= 2 you will have a total feedline loss at 14 MHz and below of 1 dB, at 21 MHz rising to 1.3 dB (but using a better matched antenna it is down to 1 dB again).

One summer I was camping in Norway, normally at the bottom of the valey between

the mountains. Worked all over Europe with my HW9 and the inverted vee, very hastily built before leaving. Did not carry an SWR meter but when I got home again and had more time to look at the antenna I found SWR > 3.

Good luck!
Goran, ea8yu

At 23:21 13/01/98 EST, you wrote:

>KI7MN has a great looking antenna called the Flamethrower. It is a light
>weight and the center connector and the end insulators are made from an old
>Bic Lighter. It looks like a neat antenna and uses the very small RG174u as
>feed line. The charts show RG174 as having about 3.5db attenuation per 100
>feet at around 7 mhz. For this reason some people don't use RG174 for feeding
>antennas. The size makes it VERY tempting however. They also say that the
>

Date: Wed, 14 Jan 1998 13:40:47 -0800 (PST)
From: "Allan G. Taylor" <ataylor@heracles.llnl.gov>
To: qrp-l@Lehigh.EDU
Subject: [935] using QRP rig as aux receiver
Message-ID: <199801142140.NAA10292@heracles.llnl.gov>

Almost QRP related...

I would like to know if anyone on qrp-l has experience using a QRP rig as an auxiliary receiver to a 'big rig' rx. In particular, how was the patching together of the two inputs done without affecting the other rig? Also how was T/R switching done?

What I am up to is considering using the NorCal 40A as a snoop radio in parallel to the OmniVI and then to direct audio from both through the Timewave 599ZX DSP box which happens to have dual audio inputs. I can listen to both at once by using stereo headphones (and process one of the channels with DSP if I would like).

I know there was a short article to that effect in QEX a few years back but would like to know of some first-hand experience and suggestions/warnings.

Reply privately , as appropriate.

Hope to use the NC40A for FYBO in a few weeks...

Grant/K7GT k7gt@qsl.net

Date: Wed, 14 Jan 1998 15:52:42 -0600
From: wmcshan@REX.RE.ouhsc.edu (Mike McShan)
To: qrp-1@Lehigh.EDU
Subject: [936] HD1410 keyer manuals
Message-ID: <v01540b00b0e2e27cca7d@[157.142.56.167]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Several people had requested copies of the Heath HD1410 keyer manual, and some of you are still (patiently) waiting for your copy. I had begun copying and mailing these out as the requests came in late in December when an illness in my family forced me to be out of town for a couple of weeks. If you haven't received your copy yet, don't despair. I should have all of them mailed by the end of the week.

Thanks for your patience and 72/73,

Mike N5JKY

Date: Wed, 14 Jan 1998 15:06:37 -0700
From: Steve Galchutt <n0tu@webaccess.net>
To: "Mike W. Burger" <mike@krypton.nmr.Hawaii.Edu>
Cc: "\"Low Power Amateur Radio Discussion\"" <qrp-1@Lehigh.EDU>
Subject: [937] Re: best backpack rig (long)
Message-ID: <34BD36ED.71DF@webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mike W. Burger wrote:

>
> Thanks for the experienced feedback. I appreciate it. I have
> a very nice portable station in an old Jensen tool kit case,
> but with battery it weighs 31 pounds!! It is wonderful in
> terms of having everything except the cushie recliner chair
> in there, but you sure don't want to carry it very far.

Just another note...I've forgot to mention I have a SWL40 by NN1G in a small plastic case & LOVE it still...good design! Untill I got a SST/20m the SWL rig was my favorite backpackin' rig for it's light weight and performance.

Just remember ur rig is the lesser half of ur signal..."it's the antenna dummie" some antenna guru preached. Attention to the antler will pay off big time!! IF... it's as high as u can get it, in the clear, on a mountain ridge, over a salt water ground, and well constucted (good solid connections w/the 'right' materials)!! Etc..etc...etc

Seriously, I use a center fed dipole w/300 twinlead (good quality) and mini ATU. I use a slingshot to get the height. Use nothing but COPPER for ur antenna elements. As u probably know steel wire is a "no-no"! I didn't know this untill I went there w/steel stuff...it's a waste of time and RF. Also Twinlead is much lighter than coax...and stay away from RG174 ...it's lightweight but has "some" loss at 7 MHz...I prefer to keep losses to a min...and my precious QRP watt(s) to a max!! IMHO (flame subject)

I'm still experimenting w/twinlead...W6RCA has a scheme for feeding a dipole w/twinlead and no tunner. Neat idea! I forget the details...you might find it on his website. But I do have a "quickie dipole" w/30' of RG58 (not RG174!) for feedline...works great! It weights in at 24oz. The center connector is a 1/2" PVC "T" connetor filled w/silicon(non-acidic). I use #18 stranded copper for elements. Wing nuts and washers protrude from the silicon to attach the wire elements and the coax is soldered to lugs under the wingnut bolts...it has a eye bolt at top center for hanging. Simple and reliable, and it's sturdy and doesn't fall apart in the wind. It's been out on many adventures and tested. I thought about removing the wingnuts and make solid connection to the elements thus reducing possible losses...but the advantage of changing/removing elements and adding bands outweighs the the former... again IMHO!

I started out years back just making "twisted" wire connections from elements to feedline on my hasty antenna setups... no good for RF! ...and they quickly fell apart in the wind and were a major source of frustration!! Getting out of a warm sleeping bag in the middle of a storm or contest to repair ur antenna is not fun not the right time to screw with antennas. But who operates in a storm anyway??? (Make sure ur life insurance is paid up!)

For those shorter afternoon walk into the woods and a hastier setup...I use the NJQRP RainBow tuner w/85' piece of #24 wire (setup for 40m) and almost no feedline...2' of coax to the tuner. It also needs a single 17' ground wire/counter poise. It's easy to get up a single wire in a tree or ?

Enough...go have fun and be SAFE!
Just remember those "transient" QR000 sigs from the sky (lightning) can kill u.

--

CUL Steve/n0tu . .
Solar powered QRP/CW
"Camping" in Monument, CO....email:N0TU@webaccess.net

Date: Wed, 14 Jan 1998 22:27:30 +0000
From: Ed Loranger <we6w@qsl.net>
To: n0tu@webaccess.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [938] Re: best backpack rig (long)
Message-ID: <34BD3BD2.6B78@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Steve Galchutt wrote:

> Just remember ur rig is the lesser half of ur signal..."it's the antenna
> dummie" some antenna guru preached. Attention to the antler will pay off
> big time!! IF... it's as high as u can get it, in the clear, on a
> mountain ridge, over a salt water ground, and well constucted (good
> solid connections w/the 'right' materials)!! Etc..etc...etc

Agreed!

>
> Seriously, I use a center fed dipole w/300 twinlead (good quality) and
> mini ATU. I use a slingshot to get the height. Use nothing but COPPER
> for ur antenna elements. As u probably know steel wire is a "no-no"! I
> didn't know this untill I went there w/steel stuff...it's a waste of
> time and RF. Also Twinlead is much lighter than coax...and stay away
> from RG174 ...it's lightweight but has "some" loss at 7 MHz...I prefer
> to keep losses to a min...and my precious QRP watt(s) to a max!! IMHO
> (flame subject)

>
Right On Steve! That's right, even 1 dB loss of RF174 is bad.
REMEMBER: 1 dB is 25% gain/loss!!!!
Your choice: Full 4 watts out with open line; Or 3 Watts to the
antenna with RG174.

> I'm still experimenting w/twinlead...W6RCA has a scheme for feeding a
> dipole w/twinlead and no tuner. Neat idea! I forget the details...you
> might find it on his website. But I do have a "quickie dipole" w/30' of
> RG58 (not RG174!) for feedline...works great! It weighs in at 24oz. The
> center connector is a 1/2" PVC "T" connector filled
> w/silicon(non-acidic). I use #18 stranded copper for elements. Wing nuts
> and washers protrude from the silicon to attach the wire elements and
> the coax is soldered to lugs under the wingnut bolts...it has a eye
> bolt at top center for hanging. Simple and reliable, and it's sturdy and
> doesn't fall apart in the wind. It's been out on many adventures and
> tested. I thought about removing the wingnuts and make solid connection
> to the elements thus reducing possible losses...but the advantage of
> changing/removing elements and adding bands outweighs the former...
> again IMHO!

Sounds good. Worth quoting.

>

<snip> Antennas, storms, twisted wire connection story.

> Enough...go have fun and be SAFE!

Hmmmmm, how about the safety of a WATER CANNON antenna launcher?
Now where's that air pump?

FB Comments Steve. How's the Solar power these winter days? <grin>

-Ed

--

Recipient of coveted Samuel F. B. Morse Award, NTTC Pensacola, FL 1977.
72/73 de we6w qrp es CW ONLY; Member: QRP-L/ARCI/Norcal/ARS/AR
<http://www.qsl.net/we6w> (From Non-Ham to Extra in one Day.)

Date: Wed, 14 Jan 1998 17:23:38 -0500

From: Thomas J McCuen <TMcCuen@compuserve.com>

To: "INTERNET:JGold@tntech.edu" <JGold@tntech.edu>, QRP-L Lehigh Server <qrp-
l@Lehigh.EDU>

Subject: [939] SG2020

Message-ID: <199801141724_MC2-2F54-666B@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=ISO-8859-1

Content-Disposition: inline

Message text written by INTERNET:JGold@tntech.edu

>Well, the SGC page still lists the Jan 26th delivery date. This time it might be for real!!! Guess I won't chicken out and cancel mine.

72

Jeff, AC4HF

-- <

Jeff,

I spoke to them abt a week ago... Shipping is still for the 26 ! All looks good.

IT WILL BE WORTH THE WAIT !!!!!!!

Tom AA2VK

PS... I asked them abt selling just the cover (chk out web site for the portable unit) and they stated yes , sometime in March for the cover only=
=2E =

Looks like a nice thing to have for packing the radio around... protect the face.

Date: Wed, 14 Jan 1998 17:30:37 -0500

From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>

To: "INTERNET:ji3m@maxwell.com" <ji3m@maxwell.com>

Cc: QRP Discussion Group <qrp-l@Lehigh.EDU>, "Doc (W.D.) Lindsey/K0EVZ" <70511.3041@compuserve.com>

Subject: [940] Best Tone for Copying CW

Message-ID: <199801141733_MC2-2F50-80AD@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: 7bit

Content-Type: text/plain; charset=us-ascii

Content-Disposition: inline

Gang:

Well I prefer a lower tone....not because I am all that good or old hand at CW--but simply because of losing over 60% of my hearing in multiple tours of Vietnam.

Being in almost continual combat sometimes for hours, plus flying on

gunships and in various helicopters with active gunners finally took its toll :-(. This is one of the costs of being in Special Forces.

This hearing loss becomes a major challenge when working weak-signal and QRP contests, including especially the FOX hunts. Always do my best not to step on anyone else, but doubtless it happens when there are tons of heterodynes, QRM, QRN, etc. Always careful, but sometimes it may happen.

Anyway, my \$.02 worth. Very interesting thread.

72/73,

--Doc/K0EVZ qrp-l 861

Date: Wed, 14 Jan 1998 17:45:09 -0500
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@Lehigh.EDU>
Cc: Goran <rodriguez@jet.es>
Subject: [941] Learn English.....
Message-ID: <199801141745_MC2-2F54-68DE@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

Hola Goran

Por supuesto no-ingles los suscriptores de lengua de madre deberian seguir contabilizar a la lista. Ellos deberian tambien ser conscientes que nosotros no somos todo tan malos como algunos!

A proposito, su ingles es mucho mejor que mi Espanol, tan no preocupan sobre lo todos. Los comentarios deshonrosos pasaron en la entrada concernida sera ignorada por todo el sensata los miembros de la lista.

No me cuentan mi Espanoles es bueno, qeu Yo engane con un programa de traduccion sobre la computadora desde Globalink, la "Energizar Traductora=" con el reconocimiento de discurso tambien.

Mel
GM6JAG
Edimburgo Escocia UK

EA-qrp 88, G-qrp 1283

Home of the last HW9

Date: Wed, 14 Jan 1998 16:02:20 -0600
From: "Dick Schneider" <rschneid@ix16.ix.netcom.com>
To: leatham@nortel.ca
Cc: cqclist@lists.csn.net, qrp-1@Lehigh.EDU, alex@ipa.et
Subject: [942] Your Pitiful Actions
Message-ID: <199801142304.RAA04742@dfw-ix1.ix.netcom.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Marcus:

I just read with interest your public flailing of Alex over his admittedly shaky attempt at a first draft article. I'm sure he'll never again ask for help from the amateur community. I've made my living as a professional writer for the past 29 years and have been edited by the best at UPI, the Rocky Mountain News, the Wall Street Journal and many national magazines. You learn how to write by being edited, and by being edited ruthlessly. I must say, though, that I have never seen a response like yours. Had I ever received one like that, and in the manner in which you posted it, I would have gladly broken the nose of its author. You truly appear to be an ignorant man and a shameful representative of amateur radio.

72/73 Dick AB0CD..

Date: Wed, 14 Jan 1998 15:06:45 -0800 (PST)
From: Monte Stark <ku7y@sage.dri.edu>
To: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [943] Re: Best Tone for Copying CW
Message-ID: <Pine.SUN.3.90.980114150223.29905A-100000@vortex>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Doc,

For those with good hearing that don't understand what it's like without hearing all the high tones.....

I was showing my kids how a filter worked in a RX. Let them listen to what must have been 15 CW signals. Turned the filter on and told them "OK, now you only hear 2 signals" (which was all I could hear).

They looked at each other and me and asked how many I heard again and I said two. They said they could hear over 8 or 9 different tones!!

Darn, QRM and I didn't even know it!!

So when some one sends QRL? and then starts calling CQ while you are chatting away, chances are that they just don't hear you!

cul,

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Thu, 15 Jan 1998 01:12:22 +0200
From: abraham@NTCSAL01DA.ntc.nokia.com (Abraham Peter NTC/Dallas)
To: qrp-l@Lehigh.EDU ('QRP-L - Mailing List')
Subject: [944] FW: Best Tone for Copying CW
Message-ID: <1998Jan15.011114.1935.34620@ntcit-mmta6.ntc.nokia.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"

Hello Everybody,

I prefer a lower tone because ...

this is going to sound somewhat silly but ...

to me, the code sounds "slower".

We all know that it is not, just a different pitch, but to me to me it really does sound slower, and I am able to copy better. When use my RIT to get a lower tone, I seem to be able to differentiate between the dit and dahs.

Right now I can copy about 10 wpm comfortable.

-Peter

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Date: Wed, 14 Jan 1998 23:15:25 -0800
From: "Harvey D. D. Hetland" <n6mm@earthlink.net>
To: QRP-L@Lehigh.EDU
Subject: [945] Re: openwire feeders
Message-ID: <34BDB78D.4EE3@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Personally for open line feeders I have been buying inexpensive plastic rod at a local plastic supply house. For insulators on small or temporary dipoles I use scrap quarter inch plexiglass which machines nicely. The plexiglass can be rounded so it will pull through trees without hanging up.

73, Harvey, N6MM.

End of QRP-L Digest 970

